

# Technology of Mobility Conference and Exhibition

Exhibitor Directory and Schedule of exhibition hall events

12 - 14th September 2023



Organised by



Prime Partners



Climate Change Mitigation Agent



Port de Barcelona

# Applus<sup>+</sup>

# Together beyond standards

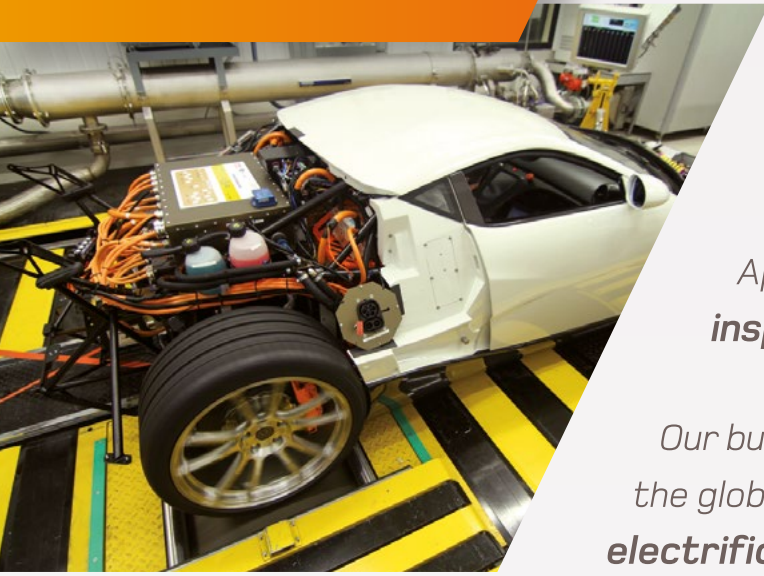
Applus+ is a worldwide leader in **testing**,  
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Our business strategy adapts constantly to  
the global trends of **energy transition**,  
**electrification** and **connectivity**.

Our **automotive engineering** services  
contribute to the development of **safer**  
and more **sustainable** vehicles.

Applus+ is strongly committed to  
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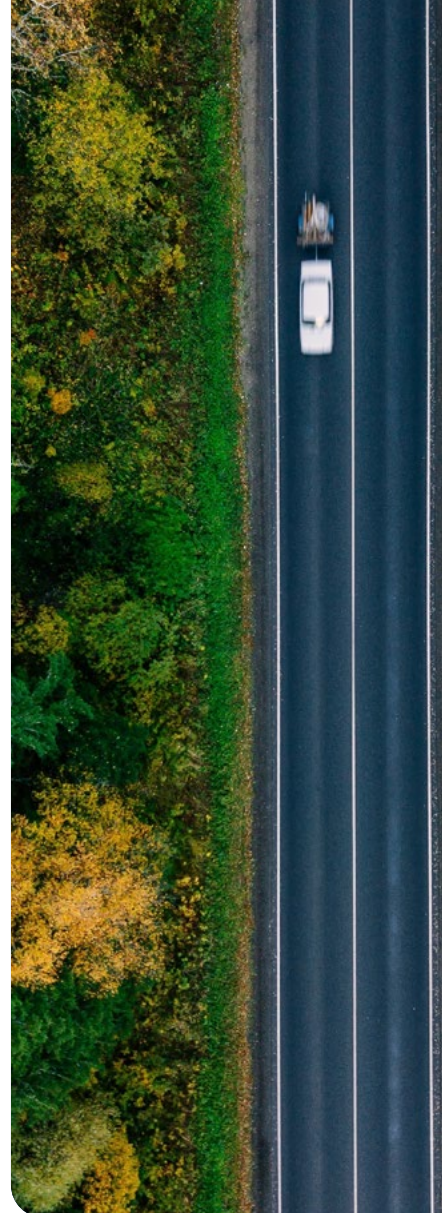
VISIT US AT OUR **STAND 127**





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The Technology of Mobility Conference and Exhibition is organised by FISITA and STA (Sociedad de Técnicos de Automoción)

**FISITA President**  
Nadine Leclair

**FISITA Chief Executive**  
Chris Mason

**STA President**  
José Manuel Barrios

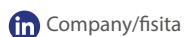
## DOWNLOAD THE APP

Scan the QR code or open the browser and type:  
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**Wi-fi User and Password:** FISITAtmce23

Join the conversation: **#TMCE23**





# FISITA

Promoting excellence in mobility engineering

## *Your opinion matters* *Complete the FISITA survey*

FISITA is the international membership organisation and voice of the automotive and mobility systems engineering community.

Please complete the FISITA Future Mobility Readiness Index survey and contribute with your feedback to questions regarding the most important challenges and opportunities facing our industry.

Visit the FISITA stand no. 157 and speak with our team!

Enquiries: [info@fisita.com](mailto:info@fisita.com)



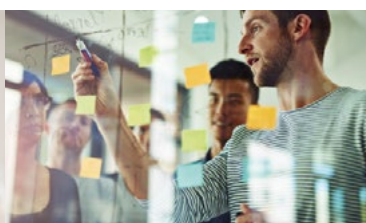
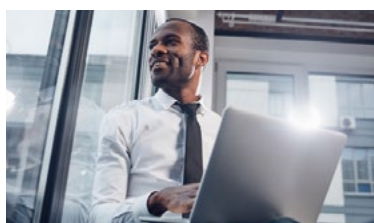
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[@FISITAhq](https://twitter.com/FISITAhq)



[/company/FISITA](https://www.linkedin.com/company/FISITA)



# Introducing FISITA and STA



FISITA is the international membership organisation and voice of the automotive and mobility systems engineering community.

At FISITA, we bring the technology of mobility community together to progress priority challenges and opportunities via working groups, events and platforms for high level networking within expert peer groups.

For more information on FISITA membership and benefits please contact:

✉ [sales@fisita.com](mailto:sales@fisita.com)



The Sociedad de Técnicos de Automoción (STA) is a co-founding member of FISITA since 1948 and has more than 800 individual and corporate members. Our mission is to promote the progress of the technological advances within the Spanish automotive industry and to provide a neutral platform to share experiences and opinions among peers.

To achieve our goals, the STA works as a local and global platform for knowledge exchange between industry and academia, with particular emphasis on being a leading advocate for the education of young engineers. We also are a significant local and global events organiser, including technical sessions at the Automobile Barcelona, international congresses, and the Formula Student Spain competition, among many others.

For more information on STA membership and benefits please contact STA's administration manager via

✉ [sta@stauto.org](mailto:sta@stauto.org)





# Welcome to the Technology of Mobility Conference and Exhibition 2023

FISITA and STA are delighted to welcome and host you at the Technology of Mobility Conference & Exhibition at the Barcelona International Convention Centre (CCIB) in Catalonia, Spain.

The Technology of Mobility Conference & Exhibition which incorporates FISITA's flagship events - FISITA World Congress, FISITA Intelligent Safety Conference Europe, FISITA World Mobility Summit and EuroBrake - is the hub for the international mobility systems engineering community to come together to discuss the engineering innovation required for the technology of tomorrow's mobility.

Throughout the event, within the Knowledge Lounge, FISITA will be hosting the inaugural FISITA Working Group Forums, an exclusive opportunity to learn from the international expert working group community of FISITA. Alongside these, we will also be hosting the FISITA Climate Change series, which features presentations from leading industry experts from across Europe.

We would also like to express our sincere thanks and appreciation to this year's Prime Partners, Congress and EuroBrake sponsors for their continued support:

**Prime Partners:** Applus+, CATL and Hyundai Motor Company

**Gala Dinner Sponsor:** Brembo

**Drinks Reception Sponsor:** Nitrex

**Congress:** Ansys, AVL List GmbH, Bosch Mobility, DENSO, Elektrobit, FEV, Gestamp, IRP Systems and Shell

**EuroBrake:** Fagor Ederlan, Frimeco, FSD, Horiba, Itapochim, ITT, Link Engineering, MACH ROTEC, Meneta, Metco Joining & Cladding, Omnia, Shangdong Double Link and Sturm Gruppe

**EuroBrake supporter:** ZF Group

**Climate Change Mitigation Agent:** Port of Barcelona

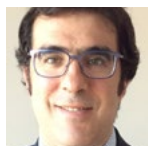
We hope you have an enjoyable and constructive week in Barcelona.



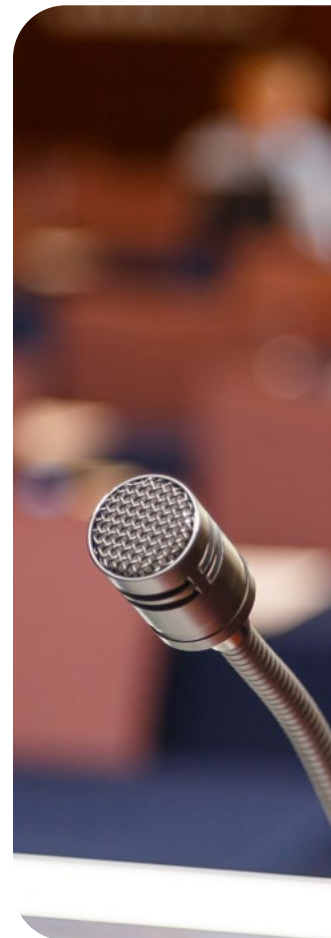
**Nadine Leclair**  
President  
FISITA



**Chris Mason**  
Chief Executive  
FISITA



**José Manuel Barrios**  
President  
STA



# Prime Partners



**Applus+ / Booth: 127**

Applus+ is a Spanish corporation and a worldwide leader in the testing, inspection and certification (TIC). It is a trusted partner, enhancing the quality and safety of its client's assets and infrastructures while safeguarding their operations. Its innovative approach, technical capabilities and highly-skilled and motivated workforce assure operational excellence across multiple sectors in more than 70 countries. The Group, which has over 25,000 employees, is committed to sustainability.

We have the accreditations and recognition of the main control bodies of the countries in which we operate, which certify our operational excellence and independence. Our services and business strategy are aligned with the significant global megatrends of energy transition, electrification, and connectivity. We are strongly committed to innovation and digitalisation, which

has resulted in 151 current patents from 34 different families and more than 210 research projects, some of which were developed under the umbrella of Applus+ Ventures, our corporate venturing programme. Our digital transformation processes have received prestigious international awards, such as the AVA Digital Awards, Globee Awards and SAP Quality Awards. We have renowned talent development programmes, including the Global Management Development Programme (GMDP), designed exclusively for Applus+ by the Instituto de Empresa (IE Business School). Health and safety in the workplace is the main focus of Safety Day, our biggest annual corporate event.

Applus+ helps clients reduce their environmental impact, improving the safety and sustainability of their products and assets. The company

sets ESG (Environmental, Social and Governance) targets every year and monitors their fulfilment. These actions have attracted external recognition: above-average scores by S&P Global (54, 81% percentile), Sustainalytics (15.6, "Low risk"), MSCI ESG Ratings (AA), from the CDP (B), from Gaia (71/100), from Standard Ethics (EE+, "Very Strong"), and the inclusion of Applus+ within the FTSE4Good Index Series of Ibex. We are also part of the Ibex Gender Equality Index, and we have joined the UN Global Compact and the international Science Based Targets initiative (SBTi) to reduce global warming and fight climate change.

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Phone: +34 691 250 977

Website: [www.applus.com](http://www.applus.com)

## Contemporary Amperex Technology Co., Limited (CATL)



Contemporary Amperex Technology Co., Limited (CATL) is a global leader in new energy innovative technologies, committed to providing premier solutions and services for new energy applications worldwide. In June 2018, the company went public on the Shenzhen Stock Exchange with the stock code 300750.

Headquartered in Ningde, China, CATL has established thirteen battery manufacturing bases worldwide, namely in Ningde, Fujian Province; Liyang, Jiangsu Province; Xining, Qinghai Province; Yibin, Sichuan Province; Zhaoqing, Guangdong Province; Lingang Special Area of China (Shanghai) Pilot Free Trade Zone, Shanghai; Xiamen, Fujian Province; Yichun, Jiangxi Province; Guiyang,

Guizhou Province; Jining, Shandong Province; Luoyang, Henan Province and Erfurt, Germany; Debrecen, Hungary. At the same time, CATL has opened subsidiaries in Munich, Germany; Paris, France; Yokohama, Japan; Detroit, USA as well as other places.

To achieve the goal of fossil fuel replacement in stationary and mobile energy systems with highly efficient electrical power systems that are generated through advanced batteries and renewable energy and promote the integrated innovation of market applications through electrification and intelligentization, CATL maintains continuous innovation in four dimensions, namely material and electrochemistry system, structure system, extreme manufacturing and

business model.

In H1 2022, the company's global sales revenue totalled 113 billion yuan (about 16.84 billion U.S. dollars), up 156% YoY, and its net profit reached 8.2 billion yuan (about 1.22 billion U.S. dollars), up 82% over the previous year. The sales revenue of EV battery systems and energy storage systems increased by 160% and 171% respectively YoY. Moreover, revenue in overseas market increased by 123% YoY. According to SNE Research, CATL's EV battery consumption volume ranked first in the world from 2017 to 2021 consecutively, and its market share in the global EV battery market reached 34.8 percent in H1 2022. CATL also enjoys wide recognition by global OEM partners. According to ICCSino, CATL ranks first in the market share of global

energy storage battery production in 2021.

CATL attaches great importance to R&D, and it has set up R&D centers in Ningde, Liyang, Shanghai, Xiamen and Munich. In the first half of 2022, CATL invested about 5.8 billion yuan (about 864.2 million U.S. dollars) in R&D, up 107% YoY. There are 12,132 CATL staff members engaged in R&D, with 2,233 of them holding master's degrees and 193 holding Ph.D. degrees. Its R&D system covers a wide range of fields including material research, product development, engineering design, testing and analysis, intelligent manufacturing, information systems, project management among others. The company boasts the National Engineering Research Center for Electrochemical Energy Storage Technology, the Key Laboratory of Lithium-ion Battery Enterprise of Fujian Province, as well as the Test and Validation Center certified by the China National Accreditation Service for

Conformity Assessment. Moreover, CATL has set up the 21C Lab, which focuses on the frontier research of the fundamental matters in the field of energy storage and conversion, and established the Postdoctoral Research Workstation and the Fujian Academician Expert Workstation. CATL's issued and pending patents amount to 12,924 worldwide, and it has contributed to the drafting or amending of over 70 industry standards at home and abroad.

In 2021, CATL's Ningde facility was recognized by the World Economic Forum as a Lighthouse Factory, and its Yibin plant was certified as the world's first zero-carbon battery plant. CATL is now establishing a new energy industry ecosystem that integrates electrification and intelligence based on its technological leadership and supply chain integration capabilities. The company has launched innovative solutions such as intelligent BESS charging stations, electric vessels,

electric smart unmanned mines and battery swapping heavy-duty trucks. EVOGO, its battery swap service brand featuring modular battery swapping, is launching services across the country. CATL aims to build a closed loop of full life battery service through new business models such as battery rental and purchasing, swapping and recycling based on the separation of vehicles and batteries. In the future, CATL will actively fulfil corporate social responsibilities and make outstanding contributions to the cause of global new energy development.

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Phone: +86-195 5931 7989  
Website: [www.catl.com](http://www.catl.com)



#### Hyundai Motor Company / Booth: 126

Established in 1967, Hyundai Motor Company is present in over 200 countries with more than 120,000 employees dedicated to tackling real-world mobility challenges around the globe.

Based on the brand vision 'Progress for Humanity', Hyundai Motor is accelerating its transformation into a Smart Mobility Solution Provider. The company invests in advanced technologies such as robotics and Advanced Air Mobility (AAM) to bring about revolutionary mobility solutions, while pursuing open innovation to introduce future mobility services. In pursuit of sustainable future for the world, Hyundai will continue its efforts to introduce zero emission vehicles equipped with industry-leading hydrogen fuel cell and EV technologies.

Website: [www.hyundaimotorgroup.com](http://www.hyundaimotorgroup.com)

#### Port of Barcelona

The Port of Barcelona is Spain's main transport and logistics hub and a benchmark port in the Euro-Mediterranean area.

Its area of influence stretches through the south and Centre of Europe and North Africa and is the logistics gateway linking markets as distant as the Far East and Latin America. With around 100 regular shipping lines connecting Barcelona with more than 200 ports in the five continents, Barcelona is Spain's principal port for international traffic. It is specialized in general cargo and high value-added cargo such as consumer goods, electronics products and vehicles.

The Port of Barcelona plays a key role in the competitiveness of the logistics chains that use it to route foreign trade and cabotage. It also is an advanced innovation hub and plays an essential

role in the competitiveness of other sectors – nautical, logistics real estate, vocational training and cruises.

The Port of Barcelona is committed to playing a pioneering role in all aspects of innovation to make Barcelona a greener and more human port and to become an international benchmark. The port is achieving this by creating projects that enable sustainable growth, a positive impact on the surrounding territory, and differentiation from competitors through the provision of high-quality services.

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Website: [www.portdebarcelona.cat](http://www.portdebarcelona.cat)



#### Port de Barcelona



# Knowledge Lounge programme overview

Please note that the programme detailed is correct at the time of print (30th August).

Tuesday 12th September	10:00	<b>FISITA Carbon Neutral Mobility Working Group Forum</b> Remi Bastien, CTO, FISITA
	12:30	<b>Climate change session: CLEPA</b> <b>Climate Change - focus on circularity in the automotive industry</b> Moderator: David M. Storer, Innovation & New Mobiltiy, CLEPA  Speakers: <ul style="list-style-type: none"> <li>Peter Lukassen, Director of Sustainability Bosch Automotive Aftermarket, Bosch Mobility</li> <li>Anna Rossi, Director of Technology Partnerships at Forvia and Chair of the CLEPA R&amp;I Work Group, Forvia</li> <li>Markus Seidel, Head of Research Circular Economy, EUCAR</li> <li>Mino Yamamoto, Group Circular Economy Director, Valeo</li> <li>Carolin Zachäus, Scientific Consultant, VDI / VDE</li> </ul>
	14:00	<b>Climate change session: ISTVS</b> <b>Off road vehicles and climate change</b> Alex Keen, Fellow ISTVS - International Society for Terrain-Vehicle Systems
	15:00	<b>Climate change session: Green NCAP</b> <b>Green NCAP vehicle ratings</b> Aleksandar Damyanov, Technical Manager, Green NCAP
	15:30	<b>Climate change session: Spanish Department of Transport</b> Susana Gomez, Deputy Director of Vehicles Spanish General Directorate of Road Transport (Dirección General de Tráfico)
Wednesday 13th September	12:45	<b>Climate change session: SIA</b> <b>Intermodal green hydrogen synergies boost engineering for all transportation means in French Occitanie region</b> Jean-Luc Maté, Administrator, SIA Christophe Turpin, Head of Academic Network and Techno Campus Hydrogen in region Occitania
	15:15	<b>FISITA Industry Disruption Working Group Forum</b> Speakers: <ul style="list-style-type: none"> <li>Remi Bastien, CTO, FISITA</li> <li>Hiroaki Okuchi, Fellow, Toyota Motor Company</li> </ul>
	17:30	<b>Climate change session: PFA</b> <b>The French roadmap for decarbonization in the road transport sector</b> Marc Mortureux, Director General, PFA / Filière Automobile & Mobilités

Thursday 14th September	08:00	<b>Student Opportunities Programme lecture</b>
	10:00	<b>FISITA Intelligent Safety Working Group Forum</b> Speakers: <ul style="list-style-type: none"> <li>Nadine Leclair, President, FISITA</li> <li>Mircea Gradu, Senior Vice President and Chief Engineering Officer, Ballard Power Systems Inc.</li> </ul>
	12:15	<b>Climate change session: SIA</b> <b>New ultra-light, low CO<sup>2</sup> affordable vehicles : a French initiative to support countryside mobility demand</b> Jean-Luc Maté, Administrator, Société des Ingénieurs de L'Auto (SIA) Gabriel Plassat, Innovation Head at French Agency for Environment & Energy (ADEME)
	14:30	<b>Climate change session: Government of Catalonia</b> Assumpta Farran, Energy General Director, Government of Catalonia
	15:15	<b>FISITA Next Generation Mobility Working Group Forum</b> Nick Reed, Founder, Reed Mobility and Chief Road Safety Advisor, National Highways Olga Anapryenka, Principal Consultant, Steer Group





# Taking part in change

## An evolving SMART hub

● Connected

● Transparent

● Sustainable

● Efficient

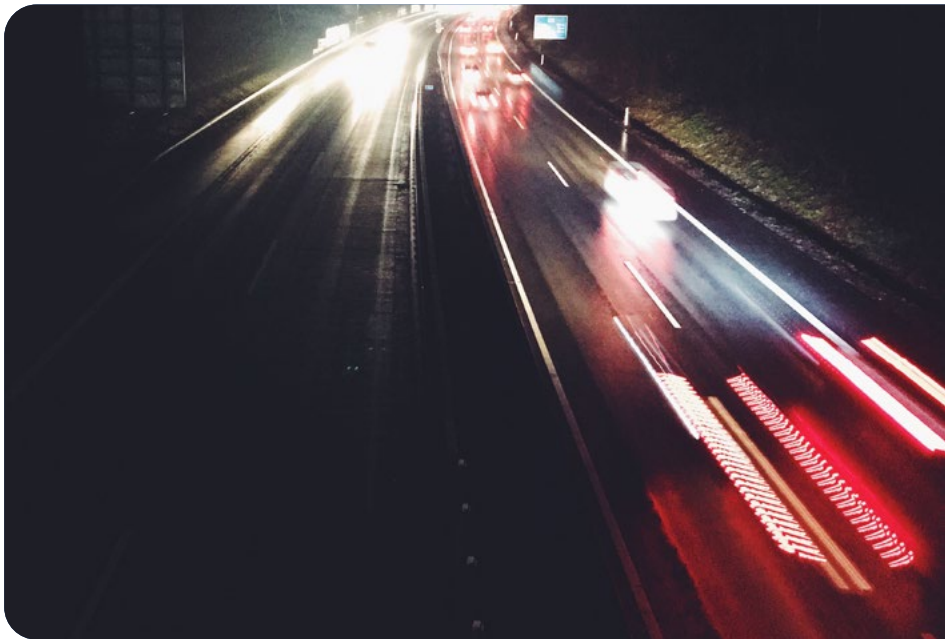
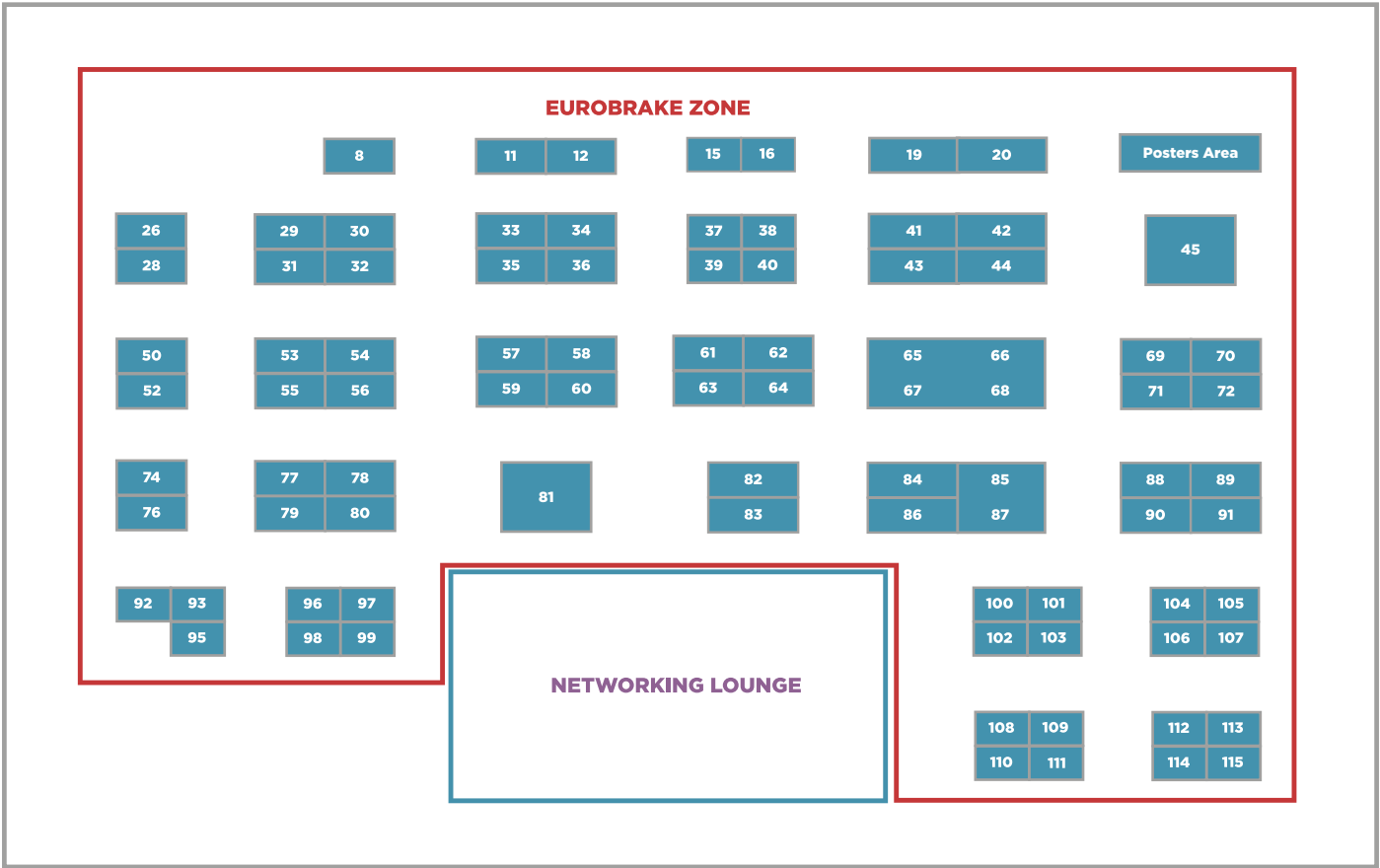


Port de Barcelona

[www.portdebarcelona.cat](http://www.portdebarcelona.cat)



# Exhibition floorplan



# EuroBrake Exhibitor directory

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# EuroBrake Exhibitor directory

## ALLTOUR Automotive Co., Ltd

Country: China  
Phone: +86 18663996899  
Contact: Lily Chen  
Email: [lilychen@alltourbrake.com](mailto:lilychen@alltourbrake.com)  
Website: [www.alltourbrake.com](http://www.alltourbrake.com)



Founded in 2011, covered area of 80,000 square meters, Alltour Automotive Co., Ltd is one professional manufacturer of brake pads and brake linings for commercial vehicles. With strict management system IATF16949, automatic equipment and advanced production process, ALLTOUR produce excellent quality brake pads, which has good reputation both in OE and aftermarket.

**Booth: 28**

## Alroko

Country: Germany  
Phone: +49 40 530045-0  
Contact: Ralf Raulinat  
Email: [ralf.raulinat@alroko.de](mailto:ralf.raulinat@alroko.de)  
Website: [www.alroko.de](http://www.alroko.de)



Alroko is the exclusive sales representative for many important producers of industrial raw materials and machine manufacturers around the world and a reliable partner for all our customers. Our sales philosophy is to supply technically advanced products of constantly high quality, always emanating from the same established sources. Further we supply a variety of machines, mainly for producing and testing friction materials. More than 30 years of experience in our business field and the manufacture of nearly all products according to ISO-standards provide our customers with the security of supply and trust they need to produce excellent products themselves. We can also give you extensive technical advice as required.

**Booth: 36**

## Azelis

Country: Italy  
Phone: +39 02 484791  
Contact: Gianni Minetto  
Email: [gianni.minetto@azelis.it](mailto:gianni.minetto@azelis.it)  
Contact: Davide Sarocchi  
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Website: [www.azelis.com](http://www.azelis.com)



Azelis, a leading distributor of specialty chemicals and food ingredients has recently acquired CAME Srl, specialized in the distribution of chemicals for friction and sintering applications, CASE (coatings, adhesives, sealants and elastomers) and cosmetics. The friction market covers a wide variety of materials used on large scale in several industries, such as automotive, metal fabrication, machinery and electronics. We also support our customers with technical consultancy, formulations and installations.

Innovation through formulation is our passion and promise to every colleague, customer and partner, as we combine products, ingredients and ideas – providing the expertise that will always matter in our changing world.

**Booth: 79**

## Balli Metal Industry and Trade Company

Country: Turkey  
Phone: +90 224 493 24 24  
+90 541 240 88 00



Contact: Elif Balli  
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Website: [www.ballimetal.com](http://www.ballimetal.com)

Producing the Fine Blanking metal parts the fundamentals of our mass production process. There exist more than 500 different varieties of " Disc Brake Back Plates " which is our most extensive product group. Furthermore, the variety of products are increasing day by day. Most of the back plates are produced by Fine C utting technique.

**Booth: 62**

## Balyfa Hungary Ltd.

Country: Hungary  
Phone: +36 30 403-1241  
Contact: Mr Gábor Czibor  
Email: [gdc@balyfa.com](mailto:gdc@balyfa.com)  
Website: [www.balyfa.com](http://www.balyfa.com)



Balyfa Hungary Ltd. is part of Hagens Spring Group who has manufacturing sites in Hungary, Denmark, Sweden and China all in all 5 factories. Balyfa produces springs and wire parts furthermore trades brake parts (kits of caliper springs, wire parts, extension, compression and torsion springs) for Automotive aftermarket and OE customers. The Group has wide range of manufacturing activity as spring and wire parts, Bihler production on progressive tools, classic stamping, welding, bending tubes and bars, assembly. Please feel free to contact us if you need any further information.

**Booth: 107**

## BRL Brakes

Country: Spain  
Phone: +34 644 36 96 24  
Contact: José María Gómez  
Email: [eurobrake23@brlbrakes.com](mailto:eurobrake23@brlbrakes.com)  
Website: [www.brlbrakes.com](http://www.brlbrakes.com)



BRL Brakes is a company which, through its R&D, has achieved innovative technical solutions to offer the market products that provide a technological and environmentally sustainable advance. BRL offers a patented braking system, which provides a breakthrough in the braking sector, improving performance and solving the thermal problems of current systems. That, combined with a particle filtering system, makes BRL a unique system on the market.

**Booth: 106**



## Brüker

Country: Germany  
Phone: +49 30 670990 7500  
Contact: Annette Niedballa  
Email: [annette.niedballa@bruker.com](mailto:annette.niedballa@bruker.com)  
Website: [www.bruker.com](http://www.bruker.com)



Brüker delivers cutting-edge metrology solutions for the challenging demands of applied research and industrial QA/QC applications.

Brüker's mechanical testers and tribometers deliver the most comprehensive and versatile means of investigating tribology - friction, wear, load, and hardness.

Discover a comprehensive range of solutions for standard and customized tests, precise characterization of wear on parts, and the evaluation of the efficiency and tribological properties of lubricants and additives.

Brüker's industry-specific solutions include Brake Material Screening, Clutch Friction Material Screening, HFRR Test, 3-Point-Bend Testing, and Hot-Hardness Testing. High-load, high-performance sensors deliver highly accurate and repeatable test data.

Brüker's UMT TriboLab™ Brake Material Screening Tester performs benchtop testing using small samples, applying the comparable contact pressures used in a full-scale dynamometer rig. The flexibility and range of testing capabilities of the Brake Material Screening solution rapidly and cost-effectively allows users to rank materials using protocols based on industry standards such as the SAE J2522 (AK Master).

Visit the Brüker booth No. 53 to learn more about our Brake Material Testing solutions.

**Booth: 53**

## BSS TEC

Country: Taiwan  
Phone: +88 66 201 8988  
Contact: Flora Cheng  
Email: [bss@bsstec.com.tw](mailto:bss@bsstec.com.tw)  
Website: [www.bsstec.com.tw](http://www.bsstec.com.tw)



BSS TEC is a professional braking components manufacturer which originally focused on fine backing plates. In 2017, we expanded our scale and acquired a shoe core company which has more than 40 years of experience and the widest range of products in Taiwan.

With our innovation and professional ability, we never stop improving and pursuing the highest quality in both products and customer service. Our vision is to work with our partners to become the most competitive suppliers in the brake industry, and together with them, provide precise and reliable products.

**Booth: 16**

## Buderus Guss GmbH

Country: Germany  
Phone: +49 (0) 6465 620  
Contact: Maren Thielmann  
Email: [bremsscheiben@guss.buderus](mailto:bremsscheiben@guss.buderus)  
Website: [www.buderus-guss.de](http://www.buderus-guss.de)



Buderus Guss GmbH is one of the leading passenger car brake disc manufacturers in Europe, as well as development partner and supplier to the international automotive industry.

**Booth: 90**

## Cardolite

Country: Belgium  
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Website: [www.cardolite.com](http://www.cardolite.com)



Cardolite manufactures the world's largest variety of products derived from cashew nutshell liquid (CNSL), a renewable natural resource. In addition to manufacturing products for the epoxy, adhesives, polyurethane and composites industry, Cardolite produces a wide variety of binder resins, friction particles and specialty chemicals for the friction industry.

Cardolite will be introducing its latest line of innovative, high performance friction particles designed for top performance passenger and commercial vehicle brakes. Amongst those, some new low moisture absorption friction particles will be presented.

All Cardolite friction particles are derived from cashew nutshell liquid, a natural, non-food chain, renewable biomaterial.

**Booth: 40**

## Chem-Trend

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Chem-Trend is the most proven partner in the world for release agents, purging compounds and other process chemical specialties. We use a customer-centric approach and dedicated research and development to improve production efficiency, reduce waste and minimize the impact on the environment. Chem-Trend products that have been developed specially for friction component production offer:

Extremely high dilutions.

Minimal contamination of components being molded.

Ability to paint molded components without additional preparation steps post molding.

Clean release-ease from any mold substrate.

Clean running – extremely low build-up on the mold surface.

Non-VOC formulations – very safe to use and environmentally responsible.

The release formulations we develop for the friction industry ensure that the working environment around the pressing area is as clean as possible. Clean release ensures that molding flash can be removed from the pressing area very easily, facilitating a clean and neat work area with minimal effort. The result is that pressed parts do not become contaminated with "leftovers", ensuring that molded scrap levels are as low as possible.

**Booth: 100**

## Cocan Graphite

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We, Cocan Graphite, have grown to become a leader in the Chinese powder carbon and graphite industry. Our product portfolios range from graphite to coke, from synthetic to natural types of carbonaceous materials. We dedicate to continuously improving our production technologies and processing systems in the decades to come. All of our inbound raw materials and outbound finished products are carefully tested and certified by our cutting-edge laboratory – Cocan Carbon Center. With ISO 9001:2015 certification, we apply total quality management to all of our products, while gradually practicing to apply Vendor Management of Inventory and Just-In-Time delivery. Our passion, mission, ingenuity and diligence are the main driving power for our glittering global supply chains. Cocan refines your life! Keep your eyes on us, please, as we can co-operate! No doubt – it's your time, and it's also ours!

**Booth: 54**

## COMEC

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Founded in 1963, we are a leading Italian Group, a multi-brand company focused on industrial automation with growing value proposition from pure machine provider to a fully integrated company able to provide automatic and robotised lines. Active in the friction material industry with COMEC and AUT-FIT brands as a specialized manufacturer of grinding & pressing technologies, beside thermal treatment machines (ovens, and painting unit) till key-turn friction lines.

With a worldwide coverage, we have a branch in Shanghai for technical assistance, spare parts and sales.

New state-of-the art grinding solutions and new applications for other steps of the production process are also available.

COMEC and AUT-FIT are AFT Group brands.

**Booth: 37**

## Daishin Kako Company Ltd

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Daishin Kako Company Ltd is based in Tokyo and has over fifty years' experience of designing, manufacturing and continuously developing lubricating products for highly specific applications. One of those applications in which Daishin's expertise lies, is in the field of automotive brake squeal reduction.

Daishin has been studying the use of greases and other lubricating materials used for the prevention of brake noise and squeal for over forty years. Daikalub 528D is the latest development in the range of brake greases and is approved and used by many automobile manufacturers and component suppliers around the world. Daikalub 528D has been designed with the three main principles of Durability, Damping and De-Coupling combined into one material which has been shown to offer great improvements under the SAE2521 test specification by a very large number of international and independent bodies, including auto manufacturers and calliper suppliers and pad manufacturers.

**Booth: 99**

## Dekati Ltd

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Dekati Ltd is a world leader in designing and manufacturing innovative fine particle measurement solutions. We have almost 30 years of experience in providing measurement instruments and complete solutions for a wide variety of environments and sample conditions. All Dekati® Products are developed and manufactured in Finland and are available with a standard two-year warranty.

The highlights of our product line include the ELPI®+ product family, which enables real-time measurement of brake wear particles, classified in up to 500 particle size channels in the range between 6 nm-10 µm. ELPI®+ products also always include the option for post-measurement chemical or microscopical analysis of the collected samples. Furthermore, the Dekati® eDiluter Pro™ sampling and dilution system is the perfect solution for regulatory brake wear particle number measurements. The fully automated eDiluterPro® makes sample conditioning easy and straightforward and is compliant with the upcoming legislation for brake wear testing.

**Booth: 110**

## EIRICH

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The EIRICH GROUP is a family-managed group of companies operating in the field of special mechanical engineering with headquarters in Hardheim, Germany. As one of the world's leading manufacturers of machines and systems for processing raw materials, EIRICH develops, plans and manufactures advanced technologies for mixing, granulating, dispersing, kneading, reacting, tempering and fine grinding since 1863. Solutions for process technology and automation round the portfolio.

At our 15 sales and production sites all over the world, a staff of approx. 1,300 employees actively shape the future of process engineering. EIRICH focuses its technological excellence on applications such as battery systems, energy storage systems, environmental technology, metallurgy, foundry, agrochemicals, ceramics and many more.

**Booth: 35**

## ERLMANN

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We have been a leading manufacturer of manual and fully automatic operating Multispindle Drilling and Grinding Machines for Brake linings and Clutch facings for over 65 years. We have successfully commissioned our ERLMANN PAD-GRINDING-LINE TYPE PGL, which has been designed for grinding disc-brake-pads according to customer requirements, for the first time. With this new machine, we offer the optimal solution for decreasing lot sizes in mass production.

**Booth: 33**

## Fagor Ederlan Group

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Fagor Ederlan Group is an automotive components supplier specialising in chassis, structural and powertrain application. With 17 manufacturing sites in 5 countries – Spain, Mexico, Brazil, Slovakia and China –, Fagor Ederlan responds to the automotive market as a global partner. The proximity of our team & manufacturing sites to our customers enhances the possibility of offering the best solution to their requirements, wherever they need it.

Experts in product and technology, we have a tradition of more than 60 years of offering iron and aluminium advanced components solutions. Knowledge of product functionality and our innovative vocation positions us as the reference brake components supplier to major OEMs and brake tier 1 companies, with more than 9 million brake discs & drums being manufactured every year.

Future braking solutions

Our advanced braking solutions are aimed to respond to the greatest automotive challenges: high performance, lightweight and sustainability focused on new electric vehicles. For that reason, our innovation program has a proposal for lightening with bimetal rotors and EDERALS aluminium discs and drums, as well as advanced proposals with the latest coating solutions to respond to particle emissions in the brake system.

**Booth: 82**

**Silver Sponsor**

## Friction One

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Friction One, solely owned by Americans, was established in 2004, is a professional manufacturer of brake pads & brake shoes & brake discs with the most advanced technology, R&D and production equipment and management team. With a production more than 15 million sets of brake pads, 6 million sets of brake shoes, 25 million pcs of brake discs, Friction One designs and makes the most comprehensive product range available in the industry, which covers American, European, Japanese, Korean, Middle East, Australia, Africa and Chinese domestic applications with more than 3,000 different part numbers. Friction One is also an OEM supplier to several auto makers. By having in-house die building and production of backing plates, shims and accessories, Friction One's fully integrated manufacturing makes fast development of new numbers and consistent quality possible.

**Booth: 70**

## FRIMECO

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FRIMECO – High-quality raw materials for the global friction industry.

Since 1995, FRIMECO has been producing and marketing high quality materials for the international friction industry, supplied from our global manufacturing facilities to more than 30 countries worldwide.

FRIMECO products are used in friction linings in the automotive, railway and industrial sectors.

Among FRIMECO's many products, you will find synthetic and mineral metal sulfides, as well as steel fibers, non-ferrous metal fibers and cashew products. Materials are used worldwide in OE, OES and AM applications.

### Metal Sulfides:

- Tin(II) Sulfide SnS
- Tin(IV) Sulfide SnS<sub>2</sub>
- Bismuth(III) Sulfide Bi<sub>2</sub>S<sub>3</sub>
- Iron(II) Sulfide FeS
- Iron(II) Disulfide (Pyrite) FeS<sub>2</sub>
- Copper Iron Sulfide CuFeS<sub>2</sub>
- Antimony(III) Sulfide Sb<sub>2</sub>S<sub>3</sub>
- Complex Sulfides multiphase
- other sulfides upon request

### Metal Fibers and Chopped Wire:

- Steel Fibers
- Stainless Steel Fibers
- Copper Fibers and Chips
- Brass Fibers and Chips
- Bronze Fibers
- Aluminum Fibers
- Zinc Fibers

### Cashew Products:

- Friction Dust brown
- Friction Dust black
- Friction Dust modified
- Liquid Resin
- Cashew Nut Shell Liquid (CNSL)

**Booth: 56**

**Gold Sponsor - Lanyards**

## Goldsun (Huangshi) PowderTech Company

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Goldsun (Huangshi) PowderTech Company was founded in 2001. The company is specialized in R&D, production and sales of various types of friction powder materials: metal sulfide, inorganic mineral filler and basalt fiber. We are a company that has been focusing on friction material for more than over 21 years. Customers cooperating with us include Randon, Akebono, ITT, Bosch, TMD, Frasale, MAT etc.

**Booth: 109**

## Green Steel Group

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Green Steel Group is one of the leading producers of metal fibers and wools in the World: our main products are steel, stainless steel, copper, brass, bronze, zinc and aluminium fibers and wools.

We supply fibers to the most important brake pads producers worldwide. Our aim is to constantly innovate both the production process and our range of products. With its mechanical and technological know-how, our research and development department works everyday to implement new products and alloys to meet our customers' expectations.

Visit us at our booth at the fair to learn more and discover how we can help you achieve your goals

**Booth: 8**

## GREENING

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GREENING's test equipment and testing service offerings span a wide range of vehicle and industrial brake system and driveline component applications

- Brake dynamometers for passenger vehicles, heavy trucks, battery electric
- "Chase", compressibility, FAST, shear for friction materials
- SAE No. 2 machine for 'wet friction' clutches and fluids
- In-vehicle data systems
- ISO/IEC 17025 and GM "TIP" accredited laboratory
- ECE R90 certification for pads, linings, discs & drums.

**Booth: 33**



## GrindoSonic

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GrindoSonic® is a 'high tech' company and started out as one of the first 'spin-offs' from Leuven University. With our devices, customers measure properties of a wide range of materials as well as the quality consistency of manufactured parts.

Gradually GrindoSonic® became the industry standard for non-destructive testing in Additive Manufacturing (AM), Precision Mechanics and Industrial Applications, based on Impulse Excitation Technique (IET).

Whether you are looking to ensure part consistency, evaluate material evolution, or explore the mechanical properties of new materials, our Impulse Excitation Technique products and services can help you achieve your goals.

With more than 1700 installed systems worldwide, GrindoSonic® is the recognised market leader.

**Booth: 61**

## Guangdong Dejia Automotive Technologies Co., Ltd.

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Guangdong Dejia Automotive Technologies Co., Ltd. is a private company specialized in the production of backing plates and brake shoes and has become well recognized by the world's most famous brake pad suppliers. With its producing site in Shaoguan Guangdong, Dejia has a mature conventional production line. Together with Feintool & Mori fine blanking lines, it supplies more than 2 million pieces of back plates to global markets, for hundreds of vehicle models every month, stably.

Adopts ERP system, owns 50 tooling design patents, various advanced processing and testing equipment, with a short development cycle for new products. Dejia acquired ISO9001 & IATF16949 certificate in 2022. The key features of the products fully meet the standards of the OE market, and 3,300 kinds of backing plates have been sold internally and abroad, in countries across Europe, North America, Australia etc.

Dejia aims to establish great strategic partnership with its clients in the backing plate industry, and aspires to be the largest backing plate manufacturer in China within the next 3 years. We will sure rank among the top global backing plate producing enterprises within the next 5 years.

**Booth: 88**

## HamalgamH

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HamalgamH is a Company constituted in Spain under the form of agreement of a Joint Venture between three main members to collaborate in the development and commercialization of the invention under registered Patent number 202130541 for the promotion of healthy solutions against pollution, particularly by eliminating air pollution produced by particles generated by brake abrasion in automation and other sectors and mutual economic benefit, providing the expected performance therefor. It is remarkable that a fully electric braking system can be developed.

Main Contributions from the members can be described with Mr. Jose Luis Rodriguez Garcia, as the inventor, and development leader, Oscar David Dominguez Bret as Product Development Process expert and Sales responsible and Marcos Manuel Santistevan Ortega as responsible for manufacturing.

Currently Spanish patent has been granted for 20 years, so as WIPO/PCT for main Countries worldwide under publication number WO 2022/263691 A9.

HamalgamH is ready for offering licensee agreement for exploiting this patent for all sectors or specific ones (including but not limited to rail, trucks, motorbikes, airplanes, wind energy, generators, motorsport, military). HamalgamH team would also contribute to the specific product development, providing all his return on experience after several prototypes tested.

**Booth: 115**

## H.B. Fuller

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H.B. Fuller is proud to present the Cilbond range of water-based adhesives for brake pad and clutch production. Cilbond offers brake and clutch producers unbeatable bonding performance, including exceptional in-service heat resistance and corrosion resistance, leading to longer part-life. With less than 5% VOC content, Cilbond offers customers a green bonding solution. Cilbond adhesive coatings do not need an additional pre-bake after drying, so offers process time savings too. We look forward to welcoming you to our booth at EuroBrake, and discussing how we can assist with improving adhesion performance and reducing VOCs in your adhesive process.

**Booth: 12**

## Hi-Pad Brake

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Hi-Pad Brake is a manufacture of disc brake pads since 2005, and carbon-ceramic discs since 2018. The facility is located in Yantai city, China, covering an area of 90,000m2, managed by IATF16949, SAP ERP and Intelligent Production System. The existing equipment capacity for disc brake pads is 3 million vehicle sets, and for carbon-ceramic disc, it's 10,000 vehicle sets.

Disc brake pad OEM customers include SGMW, FAW, FAW-VW, CHERY, SKYWELL EV, HOZON EV etc. We have copper-free NAO and copper free Low-Met formula families for passenger cars. For carbon-ceramic brake, we have high performance copper free Low-Met formula.

Hi-Pad Brake succeeded in developing a fabric woven carbon-ceramic disc which has been applied on modified cars, and is under test for China domestic OEM customers as well.

In RD center, there are 2 LINK M3900 dynos, LINK M3000 dyno, CV dyno, LINK Vmax4000 machine, Bursting test machine, TGA machine, DSC machine etc.

Hi-Pad Brake looks forward to a win-win solution for both customers and suppliers.

**Booth: 55**

## HORIBA

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Shaping the automotive industry by developing promising and unique innovations – this is the core of all our activities. HORIBA Automotive Test Systems is your strong partner offering total solutions paired with unrivalled know-how and innovative spirit while being able to tailor each solution to customer-specific demands – from simple testing capacities to complex orders.

No matter which type of braking system is to be tested, the experienced team of HORIBA engineers handles customer requests and tailors the product to fit the customers' requirements. Whether the customer is interested in a new brake dynamometer focused on a specific market, or contract testing for component development, HORIBA handles customers' requests using the latest measurement and testing technology for highly accurate and reproducible measurements. In addition to long-proven brake testing solutions, HORIBA can also provide you with a sophisticated and reliable solution for Brake Dust measurement.

With over 60 years of experience and more than 40 locations worldwide, HORIBA ATS offers complete solutions with full turnkey capability. Thanks to decades of expertise in the fields of brake dynamometer design, manufacturing and brake testing, HORIBA is a competent testing partner and provides its customers with the full range of test systems for all types of friction material and brake applications.

**Booth: 80**

**Gold Sponsor - Bags**

## IMC

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IMC provides innovative solutions for test and measurement engineers. Our highly flexible DAQ platform captures all relevant signals and provides real-time analysis and control, while our integrated telemetry measurement systems and automotive sensors enable engineers to capture critical data, even from rotating parts.

Additionally, we offer a range of unique services, from consulting and training to customized test solutions and test benches, ensuring that our customers have everything they need to validate prototypes and products, monitor processes and machines, and collect data to gain insights.

Founded in Berlin in 1988, imc is present at three further locations in Germany and with its worldwide offices in Europe (Austria, Switzerland, France, Spain, England, Hungary and the Netherlands) and in Asia (China and South Korea). The imc global partner network enables imc customers to find direct contacts in more than 30 countries. imc Test & Measurement is part of Axiometrix Solutions, a leading test solutions provider comprised of globally-recognized measurement brands like GRAS Sound & Vibration and Audio Precision.

**Booth: 104**

## Imerys

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Imerys is a world leader in mineral-based specialties, offering high value-added solutions to the various friction material demands and applications, be it sintered metallic, resin bonded or wet friction.

Whatever your friction performance needs, look to our highly engineered materials for your braking solutions. Our broad range of products can be found in every type of friction material, including:

NAO – Non-Asbestos Organic pads and discs

Low-metallic materials

Semi-metallic materials and facings

Sintered metallic formulations

Friction paper

Wet friction applications

Our wide range of mineral products allow customers the ability to tailor their material development and refine the purchasing of their raw materials with one company, while able to address all types of friction applications. Our graphites, zirconias, aluminas, micas, wollastonites and cokes are regarded as the industry standards, especially when combined with our in-house expertise.

Imerys is unmatched in terms of lot-to-lot consistency, value added performance, customer service, technical support and global supply.

At Imerys, we take our responsibility towards society seriously. The technical expertise and innovative mindset of our people enable us to extract, transform and manufacture materials responsibly and sustainably over the long term.

**Booth: 42**

## IMF ENGINEERING

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IMF ENGINEERING provides solutions for brake pads heat treatment and powder coating. Our products range covers infrared/convection ovens for friction curing, as well as painting booths, curing ovens, both electric/gas and coolers for powder coating. Our gamma is completed with robotic systems for customized loading and unloading pads.

The powder coating line is specifically designed for brake pads, using the most advanced and electrostatic application CORONA AND TRIBO, allowing high quality coating. Specific curing ovens increase the paint adhesion on back plate and its resistance to corrosion, as per the strictest requirements of OEMs.

Our portfolio of solutions include SPF line as multipad coating plant, according to the most critical type of pads to coat.

The heat treatment furnaces for the friction material of the brake pads is extremely important. IMFe provides solutions for all formula needs as IR short time curing as well longer convection curing cycles. The safety of a good braking system comes from a performing heat treatment with well-defined and respected cycles, both in terms of time and temperatures. A wide gamma of our solutions starts from chamber oven to continuous ovens with customized application, both for OE and AM.

**Booth: 101**

## Impact Innovation

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Impact Innovations is the global technology leader for industrial cold spray systems. For more than ten years, we have been pioneers and innovators as an industry partner for metallic additive coatings. With our highly innovative cold spray technology, we support customers in automotive, as well as many other industries worldwide.

In comparison to conventional thermal spray processes, such as laser cladding, cold spraying offers significant advantages. The cold process has no thermal impact on the brake disc. Thus, there is no thermal distortion or bending of the disc. This means always constant process parameters independent of the disc size or shape for a robust and reliable process, as well as 90% particle emission reduction (PM10) and 100% corrosion resistance. Physical properties of the uncoated brake discs are not changed, and the discs maintain their original strength.

Cold spraying is the most economical and efficient process for applying wear- and corrosion-resistant coatings in a single layer. In the coating of brake discs, engine crankcases and for the thermal management of Electric Vehicles, cold spraying offers significant technological and economic advantages over conventional coating processes, technically qualified by several OEMs.

**Booth: 41**

## Itaprochim

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Itaprochim, leader in the Friction Industries, develops and produces raw materials based on its own technology.

Itaprochim has always been focused on the research and development of new materials and technologies.

Our goal is to provide customers with a wide range of raw materials and auxiliary goods from reliable and qualified sources.

**Booth: 44**

**Silver Sponsor**

## ITT

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ITT Friction Technologies is part of ITT Inc. and is a global leader in supplying advanced technical solutions and premium friction material to Automotive companies all around the world. We pride ourselves to support the growth of our customers, sharing our knowledge, and supplying brake pads with the highest levels of innovation and performance, with a constant focus on our Green footprint

**Booth: 84**

**Gold Plus Sponsor**

## James Durrans & Sons

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James Durrans & Sons are one of the largest suppliers of carbon-based products in the friction industry.

Supplying into OE, OES and AM industries, we can offer a full range of all carbon materials used.

We offer a worldwide service either through our offices in the UK, Germany, South Africa India and China or one of our global distributors.

**Booth: 96**



## Jinan Yue Chuang Hydraulic machinery Manufacturing Co., Ltd.

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Jinan Yue Chuang Hydraulic machinery Manufacturing Co., Ltd. is a high-tech enterprise engaged in the research, development and manufacturing of brake pad equipment and Hydraulic machinery equipment. Company focus on a certain link in the industrial chain, focus on the core business, have strong innovation ability, was awarded the title of "Specialized, Refined, and Specialized" Enterprise in Shandong Province and Jinan City's "Gazelle Enterprise".

Company has passed IATF16949:2016 quality certification and GB/T29490-2013 intellectual property certification, which has 12 invention patents and more than 30 utility model patents. The 160T fully automatic hot press machine developed have reached the international advanced level of similar products.

Company production plant covers an area of 8000 square meters, with over 100 employees, and an annual production of 600 sets of brake pad equipment, 1000 sets of large and medium-sized hydraulic systems, and 100,000 hydraulic cylinders. You are most welcome to visit our company, to cooperate with us and creating a perfect future together.

**Booth: 95**

## Keiron Chemicals

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Keiron Chemicals sl is a family-owned company founded 2007, focused on trade and worldwide import/export of raw materials for the industry, especially for Friction markets, providing efficient technical and logistical support to the customer due to the long experience and qualification of Keiron team.

The Group has also stakes in Green Steel España, which is part of Green Steel Group, one of the major worldwide producers of metallic fibres. See more information at the website [www.greensteelgroup.com](http://www.greensteelgroup.com).

Keiron Chemicals has established a new company in Mexico, DM Keiron S.A.C.V. in operation from 2018, being the headquarter located in Ciudad de Mexico with an important logistic center to ensure sales strategy in America

**Booth: 11**

## Kimwan - Tangshan Special Carbon & Graphite Co., Ltd

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Kimwan - Tangshan Special Carbon & Graphite Co., Ltd, established in 1998, is engaged in research and development, manufacturing and sales of new special carbon and graphite materials.

With three factories and over 20 years' development, our production system includes raw material preparation system, molding system, baking system, impregnation system, graphitization processing system and complete graphite products automatic processing system. Obtained Certificates include ISO9001, ISO14001, ISO45001 and IATF16949.

Kimwan's artificial/synthetic graphite and calcined petroleum coke are widely used and recognized by domestic and oversea customers.

**Booth: 19**

## Labon

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Labon became the leading manufacturer of aramid pulp and acrylic pulp in China shortly after its establishment in 2005.

We expanded our business to yarn-spinning and fabric-weaving in 2010.

Based on our deep insights into the characteristics of high-performance material, we are capable of providing our customers with customized solutions for industrial and personal protection.

**Booth: 89**

## Lapinus

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Lapinus is part of the ROCKWOOL Group, the world's biggest producer of mineral fibre-based products. We are proud to be listed as no. 16 among the 100 most sustainable global companies. For over 30 years our sustainable certified bio-soluble fibres, with a high and stable quality, are being used in OEM, OES and AM friction materials. We support the market using our extensive knowledge, generated using our pilot plant and testing centre. Data using our Krauss machine and full-scale passenger car noise dynamometer allow us to understand the interaction between our fibres and other materials in the friction composite. Alongside our fibres, we also offer PROMAXON®-D, a versatile high quality synthetic calcium silicate, which has a good synergy with our fibres in friction material formulations.

**Booth: 63**

## Laserline

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Laserline is one of the pioneers in diode laser technology, and played a significant role in achieving a breakthrough with this laser type. Founded in 1997, the German company grew within only a few years to becoming an international leading developer and manufacturer of diode lasers for industrial applications. As of today, about 6,000 Laserline diode lasers have been delivered worldwide. Laserline has international subsidiaries on the American continent and in Asia as well as sales partners in Europe and in the Asia-Pacific region.

**Booth: 72**

## LINK

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Link Group, Inc. (LINK), parent to Link Engineering Company, Link Industries and Tesco, consists of businesses that offer customized solutions, with a focus on delivering high value to each of their customers. Offerings consist of the design and manufacture of customized, high precision test, research, simulation, quality control and thermal solution equipment; comprehensive test services; and in the case of Link Industries, customized, high precision cutting tools. LINK's corporate headquarters are in Plymouth, Michigan (US), with manufacturing and design facilities, laboratory and vehicle test operations, and support teams around the world.

Established in 1935, we pride ourselves on being family-owned, currently led by the 2nd and 3rd generation of the Link family. As many of our team members have been with LINK for a generation or more, the LINK team is equipped with a wealth of knowledge, providing decades of hands-on experience, creativity, care and supporting our global customer base with highly technical solutions.

**Booth: 59**  
**Platinum Sponsor - Stationary**

## Lödige

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Lödige is a global leading supplier of mixers, coating systems, granulators, dryers and reactors. As the inventor of the Ploughshare Mixers, Lödige has decades of experience in the process technology. Machines and process systems are at home in the pharmaceutical and food industry just as well as in the building materials industry, environment, minerals and ores but also chemicals and plastics.

Lödige is specialised in the industrial mixing, drying, reacting, coating and granulating. Lödige deals with bulk products, granulates, powders, pastes, dust and sludge. The specific requirements of the different branches of industry are very well known, as the mixing of building materials or the drying of recycling materials.

Batch or continuous mixers, ringlayer mixers for high throughputs, mixing reactors for operation under high pressures, laboratory mixers, mixing granulators, vacuum dryers or fluid bed systems... Lödige has the solution. Technical know-how and support are a matter of course for Lödige. All process steps like mixing, drying, reacting, coating and granulating can be performed in the test centre.

Lödige provides customer support worldwide during the whole lifetime of the machines.

**Booth: 114**

## Lögel

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Lögel was founded in 1983 and produces silk screen printing, textile printing machines and CNC glass processing machines. Lögel has succeeded in significant achievements in the domestic and international markets. The work is performed by an in-house R&D department. Lögel has aimed to reach new targets and has started to produce friction materials. R&D started in 2006, and reached target in 2011. Lögel continues to test hundreds of friction material formulation to be one of the leading companies in the market. Lögel uses the best technologies to manufacture friction materials. The company has a modern production factory in Gebze, which is the industrial center of Kocaeli, near Istanbul. Furthermore, Lögel aims to fulfil permanent customer satisfaction with long lasting reliable warranty and superior quality, as proven by ISO 9001. Lögel has started to export to dozens of countries in 2011. Now we are looking for new business opportunities to reach our new targets.

**Booth: 76**

## MACH ROTEC

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MACH ROTEC is a well-established and agile company in Austria, specialized on grinding solutions with CARBON wheel bodys and vitrified grinding abrasives. The development in the MACH-Carbon wheel body and a lot of experience in highly productive grinding applications enables us to provide the best MACH-grinding wheel to our customers. High-grade quality and constant development make the carbon grinding wheels the first choice for grinding use. In addition, highly qualified MACH service technicians offer customer-focused service all over the world.

**Booth: 81**

**Diamond Sponsor - Water Bottle**

## MANN+HUMMEL

Country: Germany  
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MANN+HUMMEL is a leading global company in filtration technology. Under its two business units, Transportation and Life Sciences & Environment, the Ludwigsburg-based Group (Germany) develops intelligent filtration and separation solutions that enable cleaner mobility, cleaner air and cleaner water. Thus, the company makes an important contribution to a clean Earth and the sustainable use of limited resources. In 2021, over 23,000 employees at more than 80 locations generated a turnover of EUR 4.2 billion.

Among the solutions are filter media and simulation technologies, liquid filters, air filtration and intake systems for various mobility and industrial applications, and membrane technologies for municipal and industrial water and wastewater treatment and use in sensitive process applications, such as food manufacturing or biotechnology.

Furthermore, the family-owned company founded in 1941 offers air and molecular filtration technologies for building filtration, as well as for industrial applications and cleanrooms. These are used, for example, in power generation, microelectronics or operating rooms. Stationary and mobile air purifiers for indoor, semi-open spaces and outdoor areas complete the holistic approach to clean air. Depending on the area of application, they filter viruses, free allergens, bacteria or fine dust and nitrogen oxides from the ambient air.

**Booth: 57**

## Meneta

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Meneta Group is a leading global supplier of high-quality brake components and composite materials to the automotive industry. Since 1953, Meneta has designed, tested and produced billions of noise-damping shims, backing plates and other components. In recent years, Meneta has diversified into other industries for sealing and decoupling materials. Today, the Group has production facilities, test centres and sales offices on three continents, with close to 2,500 employees worldwide.

**Booth: 64**

**Bronze Sponsor**

## Metco Joining & Cladding

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Metco Joining & Cladding is a leading brand for joining and cladding solutions, including welded overlays, brazing, high-speed and high-power laser cladding, plasma transferred arc and hardfacing. Since 1970, our experience has benefited customers with a customizable and comprehensive solutions portfolio of materials, ranging from powders, wires, rods, electrodes, braze pastes and braze tapes, as well as customer-specific application development and coating services in automotive, aerospace, power generation, mining, oil and gas and agriculture. With a global footprint, Metco Joining and Cladding offers deep expertise and solutions, with our broad range of materials and services, in close proximity to customers.

**Booth: 60**

**Bronze Sponsor**

## Nagel

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Nagel is the world's leading specialist for precision surfaces. For more than 80 years, we have been giving our customers a valuable technological edge with innovative solutions.

Our machines, tools and services ensure maximum quality, productivity and process reliability.

**Booth: 26**

## NanTong Xinyuan Special Fiber Co. LTD

Country: China

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Nantong Xinyuan Special Fiber Co., LTD is located in Haian City, Jiangsu Province, around two hours away from Shanghai.

The factory was founded in 2002. Currently, the modern factory occupies 66,666 square meters.

Certified by IATF 16949:2016, with 30% R&D personnel and equipped with the most advanced production line, our production capacity exceeds 6,000 tons per year.

Main products: chopped fiber series: chopped glass fiber, carbon fiber, aramid fiber, acrylic fiber. Pulp series: aramid pulp, acrylic pulp and so on. Yarn for clutch facing, yarn for woven brake lining, yarn for packing.

**Booth: 112**

## NIT

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NIT is a Spanish SME which core business is manufacturing and commercializing systems for monitoring and controlling in real time industrial processes based on high speed uncooled imagers sensitive in the Medium Wave IR spectral region (MWIR/1-5 microns). The sensors are processed by the company following its own and exclusive method. At time being NIT is the only company in the world able to manufacture them.

The line of products of the company is based on self-designed, self-produced focal plane arrays (FPA). Based on them NIT designs and manufacture systems for the industry, including OEM modules. The most relevant commercial products of the company are:

- CLAMIR.- It is an in line/real time monitor and control system for M-LMD processes. Since its commercial launch in 2019, CLAMIR become the reference system for most important system integrators and 3D parts manufacturers around the World

- DISCOVER IR suite.- System for assessing in line the quality of brake discs coatings using HS-LMD technique. Its performance is extraordinary and recently a World class disc brake manufacturer has chosen DISCOVER IR suite as system for assessing in real time the quality of their products.

**Booth: 105**

## NITREX

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NITREX is the only fully integrated global player in the surface treatment industry. With a presence in over 20 countries, our portfolio of innovative solutions and unrivalled expertise assists customers in achieving greater tolerances, meeting the highest standards, reaching sustainability goals and becoming more profitable along the way.

With over 35 years of experience, we are the preferred choice of blue-chip customers around the globe for turnkey heat-treat systems, reliable technologies with over 4,000 proven formulas, proprietary high-end instrumentation, failsafe digital controls and surface treatment services.

**Booth: 86**

**EuroBrake welcome drinks reception sponsor**

## Novitek Fine Blanking

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Novitek Fine Blanking is a backplate brake pad supplier for passenger cars, light commercial Vehicle and high-performance applications. Thanks to our 10 standard hydraulic presses and 2 PDT (Press Double Table) we are able to produce over 130M backplates per year shipped to leading European, American and Asian OEMs respecting and exceeding customer expectations in terms of safety, quality, performance and comfort.

**Booth: 74**

## NP WHISKER

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Jiangxi Fengzhu New Materials Technology Co., Ltd has been a professional inorganic fibers manufacturer under Chinese National Policy encouragement for more than ten years. We are committed to creating the largest production and sales of inorganic fibers in China and overseas markets. Our head office is in Shanghai. NP has independent and sustainable R&D capacity in manufacturing inorganic fibers. The brand "NP WHISKER" has gained good reputation in the related industry. NP adheres to "Scientific and Technological Innovation" and "Green Environmental Protection". As a people-oriented, technology-based, market-oriented company, we are consistently striving for promoting the high-tech industrialization of inorganic fibers.

We set up our production base in Jiangxi with a capacity of 100,000 tons of Gypsum fiber, 1,000 tons of Fibrous Magnesium Oxysulfate and 100 tons of Potassium Titanate annually.

Moreover, our line of products meets OEM application. We welcome you to visit our booth for mutual benefits cooperation!

**Booth: 102**



## NUADI GROUP

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NUADI GROUP is formed by the merger of two companies dedicated to design, develop and manufacture brake components for all types of vehicles. On one hand, NUADI, who has been supplying brake technology components to the OE and Aftermarket sectors for more than 60 years. And on the other hand, SADECA, who has recently joined the group and has nearly 40 years of experience in designing and manufacturing electrical wear sensors and hardware applications for brake systems. Both companies operate worldwide and in 2021, merged together to form NUADI GROUP, providing a comprehensive global and quality service.

**Booth: 29**

## OECHSLER

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Innovation is in our DNA  
Founded in Ansbach in 1864 by Matthias Oechsler, the company is considered a high-tech forge for forward-looking and innovative solutions in polymer technology today – from high-precision and sophisticated technical individual parts to manufacturing and assembly of complex systems. With its diverse product portfolio, OECHSLER supplies a wide range of industries and is an innovative partner and source of inspiration for customers in the automotive industry – from idea to global series production.

OECHSLER – Your full-stack manufacturing partner  
OECHSLER is a full-service provider whose range of services begins with the development of products and processes and concludes in the global industrialization and series production for our customers. Every day, more than 100 engineers apply the knowledge they have achieved over the years to the development process.

Our high standards enable us to constantly improve our services and thus support our customers in the best possible way throughout the entire value chain.

OECHSLER is the world market leader in various technical segments, such as the production of the electronic parking brake.

**Booth: 103**

## Omnia Advanced Materials

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Omnia Advanced Materials designs and manufactures technological substrates. The company offers and distributes its specialty materials for numerous markets, including Industrial, Medical Packaging, Specialty Tapes, Filtration, Absorbents, and various Sealing applications. More notably, Omnia's success is continuously fueled by focusing its attention and investments on innovative technologies driven by market needs.

One example of Omnia's newly patented technological inspirations was a revolutionary SHIM innovation we called NoVibeHeat and introduced at EuroBrake 2022. For the first time, a new material was developed and introduced which provides both noise-dampening and superior thermal resistance well beyond any product in the market then and still today—a truly remarkable accomplishment.

Omnia continued its efforts to advance its' NoVibeHeat product over the past year and we plan to present our developments at EuroBrake 2023.

Omnia is a privately owned Company. At our core, we believe there is more to a company than just making money. Since establishing our business in 1960, we've always understood that our greatest strength comes from creating lasting relationships with the people who choose to continue doing business with us year after year. With an international presence in North America, Europe, India, and Asia and over sixty years of industrial expertise, we're dedicated to delivering an exceptional customer experience and innovative products that meet or exceed our customers' expectations.

Please do not hesitate to contact us, and please be sure to visit our website at [www.omniamaterials.com](http://www.omniamaterials.com)

**Booth: 85 & 87**  
**Silver sponsor**

## Otsuka Chemical Co., Ltd.

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Otsuka Chemical Co., Ltd. is one of the leading suppliers of potassium titanate based-friction modifiers for NAO brake pads worldwide.

The company was established in 1950, and developed the first commercial potassium Titanate fiber, branded as TISMO, in 1970. TISMO was widely used as a replacement to Asbestos.

Since then, the company developed TERRACESS, a non-fiber potassium Titanate, in order to meet each customer-specific requirement. Now the company has further developed its Titanate business in order to meet regulations such as Cu-free and cost down formulations.

**Booth: 30**

## Pometon

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Founded in 1940, Pometon has more than 80 years of experience in metallurgy, in particular with metallic powders used in a plethora of industries, and offers a unique service to its clients producing ferrous, non-ferrous powders and stainless steel shot.

Pometon produces pure powders such as iron, copper (both electrolytic and atomized), bronze, brass, tin, zinc, press-ready iron, bronze premixes and also spherical metallic powders for 3D printing.

Thanks to the long experience and the variety of applications served, Pometon diversified its products with alternative solutions, also for friction application field.

Based in Maerne, Venice, Pometon controls subsidiaries in the UK, Spain, Germany, India, Turkey and Korea, and a second production site in Serbia. The company works with the major automotive brands and the best global players in the chemical industry, in the aerospace and electronics sectors.

Equipped with the latest technology, the R&D centre works in collaboration with the most important worldwide universities with the objective of producing customized powders to meet individual customer requirements and to ensure that product quality remains consistent over time.

**Booth: 32**

## QUARTZ SRL SU

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QUARTZ SRL SU is a high-quality friction chemicals producer and distributor based in Northern Italy, with the following certifications: ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018.

Our company manufactures and delivers high performing metal sulfides and powder blends to the brake pads industry all over the world.

Bringing innovation to every customer is our greatest purpose, but how do we do that? We are strongly committed to customize and shape our products based on each customer needs.

A highly skilled R&D team with experts in friction and professional PhD scientists are constantly developing new environmentally friendly products, in cooperation with the most important Italian universities and specialized independent laboratories.

INNOVAMAT is our new Joint Venture, born from the collaboration with Rimisa Metal Technology, taking advantage of the synergies and capabilities of both companies to provide innovative and unique solutions to the friction industry.

**Booth: 31**

## RANCO – Richard Anton KG

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Richard Anton KG is one of the world's leading suppliers of synthetic graphite and calcined petroleum coke for brake linings. Our products can be found in nearly all types of vehicles. Founded in 1904 in Munich, the German company is still a 100% family-owned business, which is now already managed by the 4th generation. In our two plants in Germany, we produce customised carbon products for nearly all major brake lining manufacturers worldwide. Since 1980, Richard Anton KG has been specialising in producing first-class synthetic graphite and calcined petroleum coke for friction applications under the brand name RANCO. Permanent further development and continuous modernization strengthen our reputation as the world's leading supplier of those products. The selection of suitable raw materials of consistently high quality, along with our state-of-the-art production facilities and our know-how and production experience of decades enable us to supply carbon products for brake linings for all kinds of vehicles – of course following quality and environmental certifications according to ISO standards. // Richard Anton KG – Würmstrasse 55 82166, Gräfelfing, Germany.

**Booth: 108**

## Rimisa

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Rimisa converts innovative ideas into high value-added business opportunities for friction modification, discontinuous reinforcement and green energy generation and storage.

**Booth: 34**

## RMS Raw Material Service GMBH & Co. KG (RMS)

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RMS Raw Material Service GMBH & Co. KG (RMS) from Leverkusen, Germany, supplies raw materials, friction material ready-mixes and recycling granulates for global OE, Aftermarket and Industry applications for over 25 years. The Green Friction® recycling process generates high quality friction base materials from used brake pads and linings as well as from production scrap and grinding dust. An independent Life Cycle Assessment (LCA) has confirmed the positive ecological effects of friction material recycling. RMS recycling granulates reduce CO<sub>2</sub>, save procurement and disposal costs and allow for green marketing. Circular economy is an integral part of RMS' production process, products and services.

Apart from friction products and services, RMS recycles various plastics, sieves & grinds raw materials to specification and offers warehousing and logistics services.

RMS processes over 10.000 tons of material annually with a management system in accordance to DIN EN ISO 9001.

**Booth: 38**

## Sangsing ENG

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Sangsing ENG is specialized as a machinery manufacturer for the use of manufacturing brake pad and shoe.

Since its establishment in 1991, Sangsing ENG Co., Ltd., has been a leader in the automotive parts industry in Korea.

Based on our accumulated technology and expertise as industrial machinery manufacturer.

We have established our status as a global machinery manufacturer.

**Booth: 50**

## SBHPP - Sumitomo Bakelite Europe NV

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Sumitomo Bakelite Europe is specialized in the development and production of phenolic specialty resins for the manufacturing of friction materials. SBE offers high performance resins and friction dust through a worldwide network, supported by technical service from the R&D -centers in Spain and Belgium.

**Booth: 91**

## Shandong Double Link Brake Material Co., Ltd.

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Founded in 1990, Shandong Double Link Brake Material Co., Ltd is the leading friction materials manufacturer in China.

Our major product lines include disc brake pads, drum brake linings, fine blanking & welding. With more than 2,000 references, we have been selling to the AM markets in North America, Europe, Australia, Middle East & South America. Double Link is the first Chinese friction materials OEM supplier to GM, Ford & FCA in North America since year 2005, we are also the OEM supplier to Chery, SGMW & BAIC etc. in China. Our reliable quality has been highly recognized by our customers.

**Booth: 83**

**Gold Sponsor - Lunch**

## Specialty Lubricants Corporation

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Specialty Lubricants Corporation is a manufacturer and private label packager Brake Lubricants, brake assembly lubricants, and rotor cleaner. Our products have been proven to reduce noise in the braking system and stay in place for the life of the brake pad. We manufacture both Silicone and Synthetic greases which include different solids including Ceramic, Moly, and PTFE. Our products have been proven to reduce noise by applying it the backing plate and moving hardware. These products can be private labeled in portion pouches, wipes, squeeze tubes, brush top jars, and bulk containers.

**Booth: 15**

## STAC

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STAC provides test systems for performance and NVH testing. STAC presents the EVENTSCAN system, which enables both bench testing in the laboratory and vehicle testing on the road. The system acquires and analyzes vehicle parameters, such as speed, deceleration, pressure, temperature, steering angle etc., as well as environmental data, such as humidity and ambient temperature, and synchronized sound and vibration signals. Analog input signals, CAN, CAN-FD and FlexRay bus signals, GPS sensors, encoder pulse signals and others can be acquired. All acquisition and analysis tasks are performed on-line. Real-time processing provides test results while the test is still running, allowing immediate response and extremely fast report generation. The acquired signals can be recorded simultaneously without loss, which additionally enables a complete off-line analysis. In addition, STAC supplies accessories perfectly matched to the systems, such as microphones and accelerometers, sensors for speed, deceleration, pressure, temperature, pedal travel, pedal force, humidity, GPS sensors, slip ring transmitters, radio transmitters, encoders, wheel brake deactivation systems, special cables, screen and system mounts for vehicles, rental systems and other services related to road testing.

EVENTSCAN is used by U.S., European and Asian automotive manufacturers, brake system suppliers and friction material manufacturers worldwide.

**Booth: 71**

## Sturm Gruppe

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Sturm Maschinen- & Anlagenbau GmbH has been supplying car manufacturers, their suppliers and many other well-known companies from various industrial sectors worldwide for 30 years. Multi-layered know-how, the latest technologies and a reliable contact partner who bundles everything - that's what our customers rely on. As an internationally respected plant manufacturer, we offer products and services in the areas of Material Handling Systems, Surface Coating Systems and Thermal Surface Technology with Automation Technology. The company has its headquarters in Salching/Germany and employs around 500 people in Germany and worldwide.

**Booth: 81**

**Diamond Sponsor - Water Bottle**

## STW – Schwarzwälder Textil-Werke Heinrich Kautzmann GmbH

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Schwarzwälder Textil-Werke Heinrich Kautzmann GmbH develops and produces high-quality fibres for different industries. As leading specialists in fibre fillers, short cut fibres, fibrils & pulp, as well as customised solutions, we process all fibre materials, from natural to synthetic fibres, through to high-tech fibres. Thanks to over a century of experience, continuous research and strong customer-orientation, we are able to react flexibly to new requirements with our bespoke fibre solutions.

Employing unique grinding technology, our fibre fillers are made from randomly-oriented fibres, continuous fibres, threads or woven textiles. In this way, depending on fibre fineness and specification, we can produce products with a high degree of purity and uniform fibre length distribution.

Our short cut fibres have a defined length and are produced from continuous fibre tows made especially for STW. With in-house developed production processes, we cut fibre tows into short cut fibres, to which adhesion promoters are applied, matched to end applications.

Compared to fibre fillers and short cut fibres, fibrillated fibres are characterised by their branched structure (fibrils) and their demonstrably, substantially greater surface area. Owing to these specific properties of the fibres, additional effects are derived, e.g. thixotropic properties.

**Booth: 97**

## Taprath

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Taprath combines the power of science and technology to passionately innovate and serve its partners. Taprath is one of the world's leading manufacturers of speciality elastomer powders and bio-soluble mineral fibres.

Our products include:

- 1) Tapryl® – Nitrile rubber powders
- 2) Tapryl® – ACR – acrylic elastomer powder
- 3) Taprene® – Styrene butadiene rubber powders
- 4) GeoWool® Mineral Fibres – Friction applications
- 5) GeoWool® SealOn Mineral Fibres – Gasket applications

With 18 years of expertise in being associated with this industry and a team of technocrats to technically support our customers in all routes of development, TAPRATH works hand in hand with all customers to serve the best to the industry.

Customers are partners to us at TAPRATH and have been our pillars of growth. Our partners have helped us develop many tailor-made speciality elastomer powders and mineral fibre grades to be a part of exclusive business and also to keep us on a move for the increasing demands and modifications in the automotive industry. TAPRATH aims to provide the best possible support for their growth.

Global presence in all our current and potential markets is an essential element of our business strategy. We are present in all regions where our customers are active, so that we can respond as effectively as possible to their needs. Our wide geographical coverage (North America, Latin America, Asia Pacific, Europe and Middle East) enables us to identify and respond swiftly to new trends and opportunities.

**Booth: 39**



## TBS Global BV

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TBS Global BV are located in Rotterdam, we are a European stockist and distributor of brake pad components, accessories & repair kits

We have more than 400 individual part references, and with 3 in house automated kitting lines we can pack up to 20 million repair kits per year

With €2 million of stock in Rotterdam, most EU locations can receive goods within 5 days

Established in 1975, TBS focus on solutions, lasting partnerships and a superior level of service

NPI (new product introduction), reverse engineering and R&D takes place in our own laboratory, we are ISO 9001 certified, our knowledge and experience can support you in getting first to market

Our multi-lingual customer service is supported by staff located in 7 countries

Welcome to the growing product range of www.tbs.global

Caliper bolts - Slider clips - Piston clips - Acoustic wear indicators - CV repair kits

Tilger weights - Electronic wear indicators - Rivets - Balance weights - Abutment clips

Guide pins - Shims - Dust caps - Pins - Wire springs - Truck kits - Guide sleeves

**Booth: 78**

## TecSA

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The TecSA S.r.l. has more than thirty years of experience in the field of braking system testing laboratories. Our activities include the manufacture of new machinery and the revamping/renewal of existing test benches. Over the years, TecSA products have been continuously evolved and updated (PCs, electronic and mechatronic solutions of latest generation) to increase performances, along with ease of use and high efficiency yield.

Through automation our machines work in safely conditions even without operators. Tests can be run during nights and weekends.

Several machines have been supplied for quality control and product development. Main ones are:

- Dynamometers for motorbikes, passenger cars and racing sector
- Dynamometers for the light commercial vehicles
- Dynamometers for the truck and railway sector
- FQT (Friction Quality Test) for quality control, conformity of production and aftermarket development

• SST (Shear Strength Test) to measure shear strength of pads and the detachment of friction material from the backplate

- Compressibility
- Alternate torque

In close connection with its Customers, TecSA has developed procedures that meet both international standards (including homologation) and research needs, with high flexibility and the possibility of customizing tests.

### NEW DEVELOPMENTS

- Dust analysis
- Electric hand brake (park brake)/electric brake
- Regenerative brake application

**Booth: 98**

## Titanate Material Co.,Ltd

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## TITANATE

Titanate Material Co., Ltd focus on the development of titanate material

**Booth: 77**

## Tra.Fi.Me. S.p.A

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Tra.fi.me's core business is fine blanking, which, combined with CNC machining, provides a wide range of engineering solutions for automotive components.

Tra.fi.me. has three production sites in Italy. In addition, Tra.fi.me. has built a centralised tooling shop that designs and builds complete moulds and mould spare parts for the three production sites only.

Tra.fi.me. has a wide range of Feintool fine blanking presses, from 250 to 1,550 tons, that gives the company great flexibility and the possibility of offering our customers many solutions for different types of products.

Thanks to its long experience in fine blanking, Tra.fi.me. is able to work in synergy with its customers in order to find the most cost-effective technical solutions, providing the customers with the opportunity to obtain technical savings in long series production thanks to close cooperation.

The finishing lines produced by world leaders in the sector have been studied and prepared for the needs of Tra.fi.me. products, allowing the company to have versatility and diversification even in the various programmes, as the lines are equipped also with cutting edge equipment and, if necessary, an ultrasonic washing unit, thus guaranteeing a very high level of cleanliness.

**Booths: 65-68**

## Trelleborg Damping Solutions

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Trelleborg Damping Solutions is the world leader in the production and development of damping technology for the automotive industry as well as every other area in which this technology is used.

We are part of the Trelleborg Group, which is the world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments.

**Booth: 20**

## Tribotecc GmbH

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Tribotecc GmbH is a global market and technology leader of high performance metal sulfide solutions for the friction industry. The tribological properties of metal sulfide systems with regard to chemical structure, polarity, lubricating ability and thermal behavior are essential for the functioning and performance enhancement of friction products and help to extend the lifetime of components motion. Sulfides of various metals have proven to be the most versatile and effective additives for stabilizing the coefficient of friction at high level, prevent brake fading, reduce pad and disc wear and increase comfort by less noise and vibrations. A new generation of antimony free, environmentally friendly synthetic materials from Tribotecc are suitable for use as copper replacement in brake pads.

With our slogan, "more than performance", we guarantee:

- the best quality under the toughest stresses
- innovative products
- fulfilment of all safety and environmental standards
- customer satisfaction

**Booth: 43**

## Volkswagen Group Services

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Volkswagen Group Services is a Volkswagen Group company oriented towards working for Group companies worldwide. We provide the Volkswagen Group and its subsidiaries with comprehensive and interdisciplinary services along the entire value chain in the automotive industry.

Our main areas of expertise are Technology, Business Operation Services, Logistics, Commercial Services and Administrative Services.

We manage to assist our clients worldwide with twelve locations in Germany and seven additional international locations.

As part of this structure, the Volkswagen Group Services Consulting, provides consulting services with a clear focus on the operationalization and implementation of existing Group strategies and concepts. As of December 2022, we already have 410 consultants working on international projects, to enable the future within the Volkswagen Group. As implementation experts, we deliver competences in key areas such as IT Consulting, Requirements Analysis, Process Management, Complexity Consulting and Organizational Design, along with Sustainability Consulting and Project Management (classic and agile). Our Mission is to enable, create and connect, to assist the Volkswagen Group in the New Era of the Automotive Industry.

**Booth: 52**

## Walden

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At Walden, we have gained extensive expertise in the brake pad production business over the past 32 years. We understand the unique challenges and requirements of this industry, and we have developed specialized solutions that cater to the specific needs of our customers.

Our commitment to providing high-quality and reliable machines extends to our brake pad production lines, where we incorporate the latest automation technology to optimize production processes and improve efficiency. Our turnkey factory assembly process ensures that our brake pad production lines are quickly and seamlessly integrated into our customers' operations, minimizing downtime and maximizing productivity.

We also offer comprehensive training and support services to help our customers get the most out of our machines and stay ahead in the competitive brake pad production business. Our dedication to delivering superior products and services has earned us a strong reputation in the industry, and we remain committed to upholding this standard for many years to come.

**Booth: 58**

## Waldraff

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Partner of Automotive Industries Planning, design, and production of custom-made solutions for the automotive industry and their suppliers.

Machine manufacturing

Coating technology

Production lines

Assembly lines

Automation technology/Handling technology

Pressing tools

Turn Key Friction plants

**Booth: 33**

## Weiya

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Weiya was established in 2008, focusing on the research, development, production and sales of brake pad friction materials for automobile and motorcycle. We provide high quality and stable raw materials and formula mixture for more than 200 domestic and oversea brake pad manufacturers.

We relies on more than ten years of the characteristics of various raw materials of brake pads and research and development personnel for many years of formula production experience, we have developed variety of practical formulas: truck brake pad formula mixed material, bus formula material, car formula material. The formula can be divided into: ceramic fiber formula materials, aramid formula mixed materials, semi-metal formula mixed materials, etc., which can also be developed according to customer requirements. Variety of mixed materials exported to oversea markets, and unanimously recognized by customers. The brake pads produced by customers can pass the certification of AMECA, the American automotive industry equipment certification agency.

Special friction materials for brake pads: copper fiber, brass fiber, granular copper, wire drawing copper, cutting brass, specifications can be customized according to customer requirements; all products meet SGS international standards.

**Booth: 92**

## Yantai Xingchuang Automobile Parts Co., Ltd.

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Website: www.sintronbrake.com



Sintron is a professional brake system supplier with the integration of design, R&D, production and marketing. The back plates for commercial vehicles brake pads, as our main products, are exported to Europe, Asia and South Africa etc. and have been recognized and trusted by our customers at home and abroad.

Now we have cast iron, steel mesh and steel hooks back plates, covering most range of commercial vehicles.

**Booth: 111**

## ZF

Country: Germany  
Website: [www.zf.com](http://www.zf.com)



ZF is a global technology company supplying systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility. ZF allows vehicles to see, think and act. In the four technology domains of Vehicle Motion Control, Integrated Safety, Automated Driving, and Electric Mobility, ZF offers comprehensive product and software solutions for established vehicle manufacturers. With some 165,000 employees worldwide, ZF reported sales of €43.8 billion in fiscal 2022. The company operates 168 production locations in 32 countries. Business Unit ZF Test Systems:

Based on several decades of in-depth experience developing testing equipment, ZF Test Systems offers custom-designed testing systems with proven, reliable technology. ZF Test Systems offers R&D as well as production test systems for tires & wheels, transmission & axles, e-mobility, brakes, transmission components & oils, battery testing and data analytics.

**Booth: 45**  
**Supporter**

## Zhengzhou Baiyun Industrial Co., Ltd

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Brake lining & brake pad automatic production line machines and molds supplier.

**Booth: 113**

## Zhengzhou Zhongbang Superhard Tools Co., Ltd.

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Zhengzhou Zhongbang Superhard Tools Co., Ltd. established in 2005, is located in Zhengzhou New Material Industrial Park. We are a private national high-tech enterprise, science and technology giant cultivation enterprise, specialization and special new enterprise. The company has obtained 25 national patents, including 7 invention patents and 28 utility model patents. We focus on the R&D and production of superhard material grinding tools. We have established a complete production and quality management system. We bring in first-class production equipment, such as DMG CNC lathes, Hardinge CNC lathes and other inspecting equipment, such as ultra-precision grinders from Japan, Zeiss three-coordinate measuring machines, Jenoptik high-precision profiler and Keyence ultra-depth microscope. We provide professional grinding tools for smart robots, green energy, new energy vehicles, compressors, auto parts, mechanical transmission and other national key strategic emerging industries.

**Booth: 93**

## Zhuhai Glory Friction Material Co., Ltd.

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Established in 1986, with headquarters located in Zhuhai, Zhuhai Glory Friction Material Co., Ltd. (hereinafter referred to as "Glory") is a professional friction material manufacturer integrating R&D, production, sales and service of brake products. In 2012, Glory was recognized as a national high-tech enterprise and in 2015, it became an engineering technology center of Guangdong Province in the friction industry.

The main products of Glory are disc brake pads, drum brake shoes, backing plates and related accessories. The application experience includes passenger cars, commercial vehicles, heavy duties, light railway and racing cars. The main sales areas are China, South-East Asia, Europe, Middle-East, Africa, North America and South America. The independent brands CAC, ASIMCO, Paxton and Barbaro are sold well both domestically and overseas. Glory attaches great importance to R&D and has a friction material R&D team led by top domestic and foreign technical experts. Dedicated in the research of basic material, core development of formulation, wide development of application, testing and NVH, and with the accumulation of intelligent database, Glory has successfully become the first Chinese local supplier of brake system to giants such as ZF and Continental in the friction industry and got the chance to supply OE brake pads to high-end vehicles such as Mercedes Benz. Glory has also extensive experience in different application projects with Great Wall, GAC, CHANGAN, BYD, JMC, Ford, Chery and Geely.

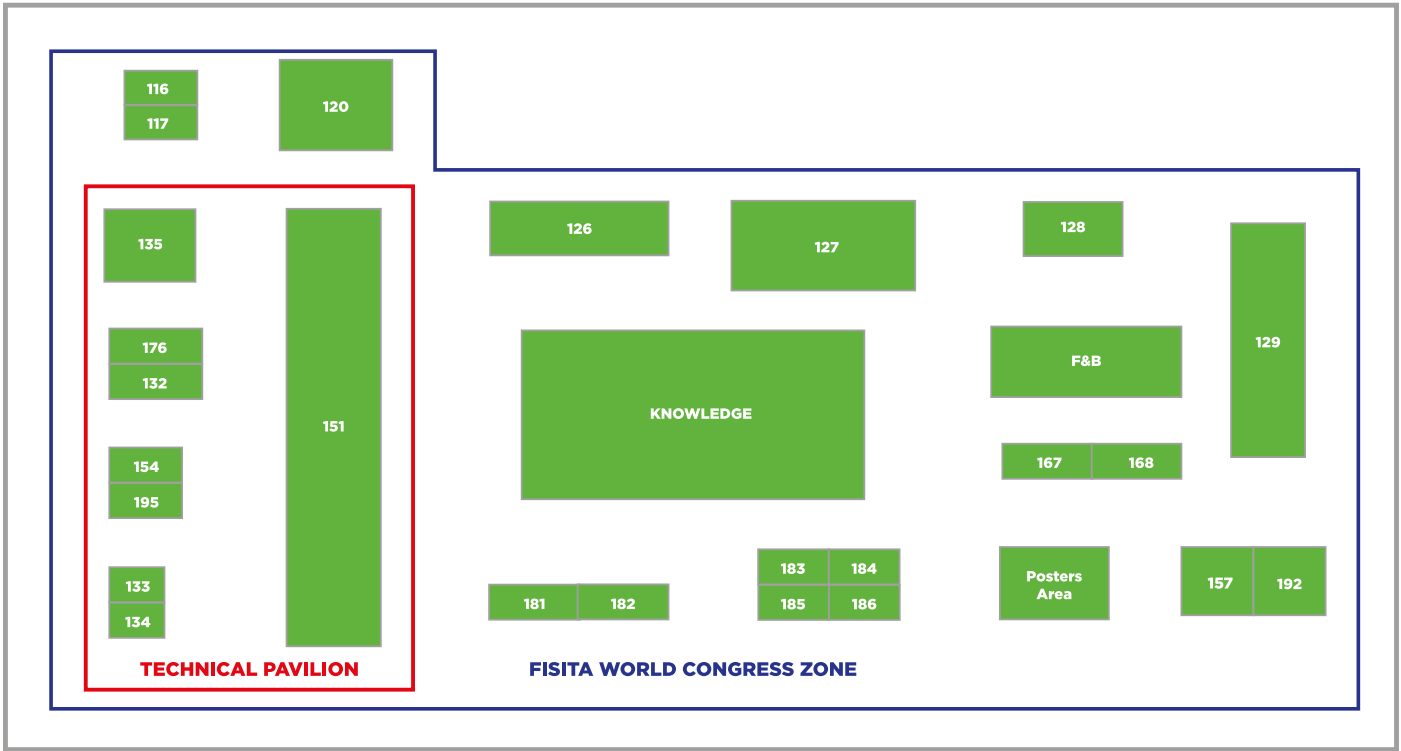
Adhering to the vision of "creating value and achieving win-win", Glory will be always in pursuit of helping our customers in realizing their dreams in the friction industry. Starting from the solid foundation, we aim to become a leader in this field.

**Booth: 69**



# FISITA World Congress

## Exhibition floorplan





# FISITA

Promoting excellence in mobility engineering

## *Join the FISITA membership community*

FISITA is the international membership organisation and voice of the automotive and mobility systems engineering community.

At FISITA, we bring the technology of mobility community together to progress priority challenges and opportunities via working groups, events and platforms for high level networking within expert peer groups.

Visit the FISITA stand No. 157 and speak with our team!

Enquiries: [sales@fisita.com](mailto:sales@fisita.com)



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# FISITA World Congress

## Exhibitor directory

### Ansys

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When visionary companies need to know how their world-changing ideas will perform, they close the gap between design and reality with Ansys simulation. For more than 50 years, Ansys software has enabled innovators across industries to push boundaries by using the predictive power of simulation. From sustainable transportation to advanced semiconductors, from satellite systems to life-saving medical devices, the next great leaps in human advancement will be powered by Ansys. Take a leap of certainty ... with Ansys

**Booth: 117**

**Bronze Sponsor**

### Applus+

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Applus+ is a Spanish corporation and a worldwide leader in the testing, inspection and certification (TIC). It is a trusted partner, enhancing the quality and safety of its client's assets and infrastructures while safeguarding their operations. Its innovative approach, technical capabilities and highly- skilled and motivated workforce assure operational excellence across multiple sectors in more than 70 countries. The Group, which has over 25,000 employees, is committed to sustainability.

We have the accreditations and recognition of the main control bodies of the countries in which we operate, which certify our operational excellence and independence. Our services and business strategy are aligned with the significant global megatrends of energy transition, electrification, and connectivity. We are strongly committed to innovation and digitalisation, which has resulted in 151 current patents from 34 different families and more than 210 research projects, some of which were developed under the umbrella of Applus+ Ventures, our corporate venturing programme. Our digital transformation processes have received prestigious international awards, such as the AVA Digital Awards, Globe Awards and SAP Quality Awards. We have renowned talent development programmes, including the Global Management Development Programme (GMDP), designed exclusively for Applus+ by the Instituto de Empresa (IE Business School). Health and safety in the workplace is the main focus of Safety Day, our biggest annual corporate event.

Applus+ helps clients reduce their environmental impact, improving the safety and sustainability of their products and assets. The company sets ESG (Environmental, Social and Governance) targets every year and monitors their fulfilment. These actions have attracted external recognition: above-average scores by S&P Global (54, 81% percentile), Sustainalytics (15.6, "Low risk"), MSCI ESG Ratings (AA), from the CDP (B), from Gaia (71/100), from Standard Ethics (EE+, "Very Strong"), and the inclusion of Applus+ within the FTSE4Good Index Series of Ibex. We are also part of the Ibex Gender Equality Index, and we have joined the UN Global Compact and the international Science Based Targets initiative (SBTi) to reduce global warming and fight climate change.

**Booth: 127**

**Prime Partner**

### AVL List GmbH

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AVL List GmbH ("AVL") with its headquarters in Graz, is one of the world's leading mobility technology companies for development, simulation and testing in the automotive industry, and in other sectors. Drawing on its pioneering spirit, the company provides concepts, solutions and methodologies for a greener, safer and better world of mobility.

AVL constantly expands its portfolio of high-end methodologies and technologies in the areas of vehicle development and testing. With a holistic approach - from ideation phase to serial production - the company covers vehicle architectures and platform solutions including the impact of new propulsion systems and energy carriers.

To achieve the vision of climate-neutral mobility, AVL drives innovative and affordable solutions for all applications - from traditional to hybrid to battery and fuel cell electric technologies.

As a global technology provider, AVL's offerings range from simulation, virtualization and test automation for product development to ADAS/AD and vehicle software. The company combines state-of-the-art and highly scalable IT, software and technology solutions with its application know-how, thereby offering customers extensive tools in areas such as Big Data, Artificial Intelligence, Cybersecurity or Embedded Systems. Furthermore, AVL is striving towards a safe and comfortable driving experience for everyone and brings a comprehensive understanding of assisted and automated driving functions in different vehicles and environments into play.

AVL's passion is innovation. Together with 10,700 employees at more than 90 locations and with 45 Tech and Engineering Centers worldwide, AVL is supporting customers in their mobility ambitions. In 2021, the company generated a turnover of 1.6 billion Euros, of which 12% are invested in R&D activities to ensure continuous innovation.

**Booth: 129**

**Gold Sponsor**



## BOSCH Industry Consulting

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Bosch Mobility is the largest Bosch Group business sector. According to preliminary figures, it generated sales of 52.6 billion euros in 2022, and thus contributed almost 60 percent of total sales from operations. This makes the Bosch Group one of the leading automotive suppliers.

The Mobility Solutions business sector pursues a vision of mobility that is safe, sustainable, and exciting, and combines the group's expertise in the domains of personalization, automation, electrification, and connectivity. For its customers, the outcome is integrated mobility solutions.

The business sector's main areas of activity are injection technology and powertrain peripherals for internal- combustion engines, diverse solutions for powertrain electrification, vehicle safety systems, driver-assistance and automated functions, technology for user-friendly infotainment as well as vehicle-to-vehicle and vehicle-to- infrastructure communication, repair-shop concepts, and technology and services for the automotive aftermarket.

Bosch is synonymous with important automotive innovations, such as electronic engine management, the ESP anti-skid system, and common-rail diesel technology.

**Booth: 128**

**Diamond Sponsor**

## Elektrobit

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Elektrobit is an award-winning and visionary global vendor of embedded and connected software products and services for the automotive industry. A leader in automotive software with over 35 years serving the industry, Elektrobit's software powers over five billion devices in more than 600 million vehicles and offers flexible, innovative solutions for car infrastructure software, connectivity & security, automated driving and related tools, and user experience. Elektrobit is a wholly-owned, independently-operated subsidiary of Continental.

**Booth: 186**

**Silver Sponsor**

## FEV Europe

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FEV has always pushed the limits.

FEV is a globally leading engineering provider in the automotive industry and internationally recognized leader of innovation across different sectors and industries. Professor Franz Pischinger laid the foundations by combining his background in academia and engineering with a great vision for continual progress. The company has supplied solutions and strategy consulting to the world's largest automotive OEMs and has supported customers through the entire transportation and mobility ecosystem.

As the world continues to evolve, so does FEV.

That's why FEV is unleashing its technological and strategic expertise into other areas. It applies its forward thinking to the energy sector. And its software and system know-how will enable the company to lead the way making intelligent solutions available to everyone. FEV brings together the brightest minds from different backgrounds and specialties to find new solutions for both current and future challenges.

But FEV won't stop there.

Looking ahead, FEV continues to push the limits of innovation. With its highly qualified 7200 employees at more than

40 locations globally, FEV imagines solutions that don't just meet today's needs but tomorrow's. Ultimately, FEV keeps evolving – to a better, cleaner future built on sustainable mobility, energy and software that drives everything. For the companies' partners, its people and the world. #FeelEVolution

**Booth: 181**

**Gold Plus Sponsor**

## FISITA

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FISITA is the global membership organization for the automotive and mobility systems engineering community. It brings together hundreds of thousands of engineers across four-member category types including automotive engineering societies, corporate members, strategic partners, and academia.

FISITA brings its members together in a pre-competitive environment to develop thought leadership, collaborate on projects, network and share knowledge.

**Booth: 157**

## Hyundai Motor Company

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Established in 1967, Hyundai Motor Company is present in over 200 countries with more than 120,000 employees dedicated to tackling real-world mobility challenges around the globe.

Based on the brand vision 'Progress for Humanity', Hyundai Motor is accelerating its transformation into a Smart Mobility Solution Provider. The company invests in advanced technologies such as robotics and Advanced Air Mobility (AAM) to bring about revolutionary mobility solutions, while pursuing open innovation to introduce future mobility services. In pursuit of sustainable future for the world, Hyundai will continue its efforts to introduce zero emission vehicles equipped with industry-leading hydrogen fuel cell and EV technologies.

**Booth: 126**

**Prime Partner**

## ISTVS – The international Society for Terrain Vehicle Systems

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The ISTVS, the International Society for Terrain Vehicle Systems, focuses on terramechanics: the study of the mobility and performance of off-road vehicles and the interaction with the terrain they operate on.

The Journal of Terramechanics is the ISTVS journal published in partnership with Elsevier. The Journal of Terramechanics is devoted to scientific articles concerned with research, design, innovation and equipment utilization in terramechanics, off-road vehicle dynamics, and its contribution to research and engineering of manned and unmanned vehicles, off-road robots, and machinery operating on soil, terrain, and sub-terrain in various environmental mediums, climate conditions of Earth and other celestial bodies.

The ISTVS was founded in 1962 and is an educational, non-profit, non-political, organization incorporated in the State of North Carolina, USA.

The ISTVS holds international and regional conferences in its North America, Europe-Africa and Asia-Pacific regions. Conferences take place annually.

The Society operates technical groups, one of which is dedicated to robotic vehicles including planetary rovers for space exploration. The ISTVS also organizes on-line meetings and lectures, available to the general public and published on its YouTube channel. Further information on the ISTVS, its activities and terramechanics can be found at [www.istvs.org](http://www.istvs.org)

**Booth: 167**

## KIVI – Royal Institute of Engineers

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KIVI is the Royal association of engineers in the Netherlands. Committed to support engineers in their professional practice and recognizing the value of their work. We help engineers establish connections with research, education, society and, of course, with each other. We also help to guarantee the quality of education and research.

To this end, we work together with the technical business community, knowledge institutions, higher education, the government and foreign partners. Within KIVI there's also a vehicle technology division, which has a strong (inter-)national connection. In this divisions board education, business and research are represented.

One of the board organizations will join KIVI in Barcelona. ACE is the Automotive Center of Expertise, founded more than 10 years ago, specifically focuses on automotive and mobility. Active as a public-private partnership (PPP) between universities of applied sciences and the industry, with a sharp focus on social challenges.

Within ACE, investments are made in educational innovation, lifelong learning and research & innovation. ACE operates as a pivot between the Fontys University of Applied Science & University of Applied Science of Arnhem and Nijmegen (HAN) and the automotive industry. The industry is also sustainably and intensively represented by business partners.

**Booth: 168**

## LINK

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Link Group, Inc. (LINK), parent to Link Engineering Company, Link Industries and Tesco, consists of businesses that offer customized solutions, with a focus on delivering high value to each of their customers. Offerings consist of the design and manufacture of customized, high precision test, research, simulation, quality control and thermal solution equipment; comprehensive test services; and in the case of Link Industries, customized, high precision cutting tools. LINK's corporate headquarters are in Plymouth, Michigan (US), with manufacturing and design facilities, laboratory and vehicle test operations, and support teams around the world.

Established in 1935, we pride ourselves on being family-owned, currently led by the 2nd and 3rd generation of the Link family. As many of our team members have been with LINK for a generation or more, the LINK team is equipped with a wealth of knowledge, providing decades of hands-on experience, creativity, care and supporting our global customer base with highly technical Solutions

**Booth: 116**

**Platinum Sponsor**

## LinkedCar

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Linkedcar is on a mission to connect drivers and their data with the mobility ecosystem (car dealers, insurers, lease companies, road-side assistance services etc).

At the heart of our innovation lies a decentralized Blockchain platform, placing control firmly in the hands of drivers through their explicit consent. With the unique LinkedCar NFT there's a verifiable digital proof of ownership, setting a new standard in the automotive realm.

Explore the boundless potential to capitalize on vehicle data - for everyone.

LinkedCar has received multiple awards like "Most Innovative Autotech Startup" and "Top Automotive Technology." These awards stand as a testament to our relentless pursuit of excellence and innovation in automotive technology. Moreover, we are honored to be an integral part of EIT Urban Mobility, a prominent European initiative. This affiliation reinforces our commitment to shaping the future of mobility through collaborative endeavors and cutting-edge solutions.

LinkedCar - a groundbreaking decentralized ecosystem driven by driver's consent.

**Booth: 183**

## NIO GmbH

Country: Germany  
Phone: +800 0999 6699  
Contact: Jia Long  
Email: [contact.de@nio.io](mailto:contact.de@nio.io)  
Website: [www.nio.com](http://www.nio.com)



NIO, a pioneer and a leading company in the premium smart electric vehicle market, was founded in 2014. Our mission is to shape a joyful lifestyle by offering high-performance smart electric vehicles and ultimate user experience. NIO has R&D centers and manufacturing facilities in more than a dozen cities, including Shanghai, San Jose, Munich, Oxford, Berlin, Budapest, and Singapore. We have established sales and service networks in China, Norway, Germany, the Netherlands, Sweden, and Denmark to provide products and services to users in over 300 cities worldwide. By 2025, we plan to extend our services to users in more than 25 countries and regions worldwide.

With a pioneering global technology and R&D team, NIO is dedicated to providing premium vehicles, high-performance electric drive and smart automotive technology solutions through our production network of world-class manufacturing centers and an established supply chain. Holding over 6,600 global patents, our portfolio includes innovations in batteries, electric drive system and battery swapping technology that is unprecedented around the world. NIO's battery swapping roadmap features a number of unprecedented key technologies, more than 2,000 patent applications, and 22 new or revised standards.

NIO has eight high-performance smart electric vehicles: Smart Electric Flagship SUV ES8, Smart Electric Mid-Large SUV EL7, Smart Electric All-Round SUV EL6, Smart Electric Flagship Coupe SUV EC7, Smart Electric Coupe SUV EC6, Smart Electric Flagship Sedan ET7, and Smart Electric Mid-Size Sedan ET5, and Smart Electric Tourer ET5 Touring.

Currently, we offer four models – ET5, ET5 Touring, ET7, EL7, and ES8 (Norway only), in five European markets: Denmark, Germany, the Netherlands, Norway, and Sweden.

**Booth: 120**

## Sociedad de Técnicos de Automoción – STA

Country: Spain  
Phone: +34 93 233 2447  
Contact: Maite García  
Email: [sta@stauto.org](mailto:sta@stauto.org)  
Website: [www.stauto.org/](http://www.stauto.org/)



The “Sociedad de Técnicos de Automoción (STA)” has been a member and co-founder of FISITA since 1948 and has more than 800 members, both individuals and legal entities. STA's mission is to promote the progress of technological advances in the Mobility Sector and in the Spanish automotive industry by providing a neutral platform to share experiences and opinions among equals. To achieve these goals, the STA functions as a local and global platform for knowledge exchange between industry and academia, with a particular emphasis on being a leading advocate for the education of young engineers and technicians. We are also an important organizer of local and global events, including technical sessions (such as the Automobile Technical Conference), international congresses (such as the Technology of Mobility Conference and Exhibition) and the Formula Student Spain competition, among many others. More information can be found on the website: [www.stauto.org](http://www.stauto.org). You are very welcome to discuss joint initiatives for the next future.

**Booth: 192**

## The Institute Of Motor Industry (IMI)

Country: United Kingdom  
Phone: +44 (0) 1992 511 521  
Contact: Lacey Fewings  
Email: [hello@theimi.org.uk](mailto:hello@theimi.org.uk)  
Website: [www.tide.theimi.org.uk](http://www.tide.theimi.org.uk)



At the IMI, we believe passionately that the automotive industry is a driver of innovation, employment and economic growth. We believe the people working in the industry need the most relevant, up-to-date skills and qualifications in order to progress – especially during times of intense change.

**Booth: 184**

## TraceTronic GmbH

Country: Germany  
Phone: +49 351 205768-173  
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Website: [www.tracetronic.de](http://www.tracetronic.de)



TraceTronic – specialist in the field of test automation for vehicle software. With software products and customized services, TraceTronic supports manufacturers and suppliers in automotive industry in development of highly complex vehicle software. The company focuses on solutions for automated test processes from component tests to in-vehicle integration tests. Based on the Automotive DevOps Platform with end-to-end workflows and highly functional interfaces for flexible connection of other tools, the comprehensive collaboration of all stakeholders in the DevOps process of vehicle development is possible.

Companies such as Audi, BMW, Bosch, Continental, Daimler, Ford, John Deere, Porsche and Volkswagen rely on TraceTronic's technical expertise.

**Booth: 185**

## Vehinfo / LABCAR

Country: China  
Phone: +86 13636550787  
Contact: Airis Cao  
Email: [airiscao@vehinfo.com](mailto:airiscao@vehinfo.com)  
Website: [www.vehinfo.com](http://www.vehinfo.com)



Vehinfo Technologies Co., Ltd is an automotive technology company which was founded in 2016 in Shanghai, China. As a leading company of R&D testing tool-chain supplier of electrical controller for global automotive industry and high-end manufacturing industry, Vehinfo has a vision as “reliable global tool-chain brand”, and to provide HiL (Hardware-in-the-loop) testing equipment development and testing, and CASE experts consulting service. Vehinfo Global R&D Centre, which will be located in Stuttgart, Germany, is under preparation and expected to be operational by the end of 2023.

On December 9th, 2022, Vehinfo signed the Definite Purchase Agreement with ETAS, a Bosch subsidiary, to acquire LABCAR® IP and technology consisting of software, hardware documentation, patents and trademark.

LABCAR is a TOP2 brand in HiL (Hardware-in-the-loop) market segment, which has history of near 30 years in this area and has been widely used by global leading automotive OEMs, tiers and cross-domain technology convergence. LABCAR® has become a vital important tool in accelerating technical research and development.

With this acquisition, Vehinfo will continue to support to LABCAR® current customers in both China and global markets, and provide world-class products and services to global customers.

**Booth: 182**





# FISITA

Promoting excellence in mobility engineering

FISITA is the international membership organisation and voice of the automotive and mobility systems engineering community.

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White Paper**



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White Paper**



**Download  
Intelligent Safety  
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FISITA  
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Enquiries: [sales@fisita.com](mailto:sales@fisita.com)



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# Technical Pavilion

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# Technical Pavilion

## Exhibitor information

### ACCIÓ - Generalitat de Catalunya

Country: Spain   Generalitat de Catalunya  
Phone: +34 627481306  
Contact: Tomás Megía  
Email [tmegia@gencat.cat](mailto:tmegia@gencat.cat)  
Website: [www.accio.gencat.cat](http://www.accio.gencat.cat)

ACCIÓ is the Catalan Government's agency for business competitiveness. Belonging to the Ministry of Business and Labour, it is the public facing organisation working to contribute to the transformation of Catalan companies. It has a network of 40 offices worldwide, 7 regional offices in Catalonia, and collaborates with public and private institutions.

ACCIÓ works so that enterprise can identify the changes in its environment, take advantage of them and transform, enhancing everything that can set it apart and enhance competitiveness. This differentiation occurs primarily through the key combination for business competitiveness: innovation + internationalization.

We are driven by three main goals: to increase the productivity of Catalan companies, to accompany them in their transformation and global positioning challenges, and, finally, to strengthen the attractiveness of Catalonia as a destination for high-value foreign investment. These goals are designed to have a positive impact on economic growth and job creation

**Booth: 151**

### Carnet Barcelona

Country: Spain  **CARNET**  
Phone: +34 93 413 76 04  
Contact: Laia Pages  
Email: [info@carnetbarcelona.com](mailto:info@carnetbarcelona.com)  
Website: [www.carnetbarcelona.com](http://www.carnetbarcelona.com)

CARNET – Future Mobility Research Hub – is a Think Tank for transport and automotive science and technology focused on urban mobility, and based in Barcelona.

CARNET is a cooperation platform for the mobility industry, local universities, and institutional partners that has the following strategic goals:

- Organising urban mobility activities in Barcelona
- Contributing to strengthening the automotive sector in Spain, and Catalonia in particular
- Recruiting proactively for the automotive industry
- Networking to seek international research funding (e.g. in cooperation with international partners)

**Booth: 176**

### Centro Tecnológico de Automoción de Galicia – CTAG

Country: Spain  
Phone: +34 986900300  
Contact: Juan Silva  
Email: [juan.silva@ctag.com](mailto:juan.silva@ctag.com)  
Website: [www.ctag.com](http://www.ctag.com)



CTAG, the Automotive Technology Centre of Galicia, is an organisation dedicated to the development, research and technological innovation in the Automotive sector.

Its mission is to contribute to the improvement of automotive companies competitiveness, offering its support to the sector's industries on their modernization and adaptation to new technologies. For this purpose, it has modern facilities equipped with the latest technologies and highly qualified human resources.

**Booth: 154**

### Composites Ate

Country: Spain  
Phone: +34 610478925  
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Website: [www.composites-ate.com](http://www.composites-ate.com)



COMPOSITES ATE S.L. is a Company that develops composites' applications since 1997.

Constant innovation has allowed us to enter strategic sectors in which we provide integral engineering and development services, becoming today a reference supplier among industry-leading companies.

ATE controls the entire product development, from conception of the idea and the technical solution to serial manufacturing. Including design and development of moulds and the prototyping phase, under a collaborative approach with customers to find solutions to their needs.

ATE team is expert in the development of composite structures and carbon fibre accessories. Among of customers, we can mention Airbus, Cupra, Hispano Suiza, Alstom, Stadler, CAF, Ormazabal, BSH, Hitachi Energy...

Our new HQ in Barcelona area is probably nowadays the company that is delivering the greatest amount of carbon fibre/fast curing resin pieces to the European automotive industry (more than 8000 per week).

On the other side, our factory in Zaragoza area is specialized in isolators. Our background in materials and industry requirements allows us delivering isolating solutions for a broad range of sectors such as Aerospace, Automotive, Machinery, Home Appliances, Railway, Wind Energy, Injection Moulds and Electrical and/or Thermal applications.

**Booth: 135**

### EBRO – Barcelona Technical Center

Country: Spain   
Phone: +34 93 775 50 51  
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Email: [ngraell@btechc.com](mailto:ngraell@btechc.com)  
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EBRO is heir to the legacy of Spain's car manufacturing tradition and has been reborn as an emblematic make that offers the industrial and professional sectors efficient and sustainable transport solutions adapted to current urban and off-road needs.

Our ambition goes beyond simply entering Spanish industry's new era of electric mobility. We want to provide the perfect and most environmentally-friendly tool for the job.

**Booth: 195**

### OTC Engineering

Country: Spain  **OTC Engineering**  
Phone: +34 972 271 643  
Contact: Konstancja Laskowska  
Email: [klaskowska@otcengineering.com](mailto:klaskowska@otcengineering.com)  
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OTC Engineering is a tech engineering company specialized in developing Connectivity and IoT solutions to the Automotive, Mobility, Industry 4.0, Pharma and eHealth sectors.

The company's main activity is centred on the design and development of technologies and products for projects in the automotive, pharmaceutical and industrial sectors, in the fields of electrical & electronics, digitalization, connectivity, IoT, big data and data analytics.

With its high-tech value and innovative DNA, OTC has been offering connectivity solutions for mobility and automotive since 2010; and among our major clients, we can highlight renowned Japanese car manufacturers, the largest motorcycle manufacturer in the world as well as European Tier 1 providers.

**Booth: 134**

## Relats

---

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Website: [www.relats.com](http://www.relats.com)



Committed to future mobility, our strong trajectory has allowed us to adapt to a changing environment. We provide sustainable and innovative protective solutions, with a perfect combination of tradition, innovation, technology, and sustainability. To safeguard the vital components of vehicles effectively and efficiently. We protect you from the inside so that your only concern is to enjoy the journey.

Relats, a multinational Catalan family company with a worldwide presence, designs and produces a range of protective solutions with textile substrate systems for thermal insulation, electrical, mechanical, sound reduction and wide product range for the e-mobility and automotive industry such as impact protection and electromagnetic shielding components, being widely homologated by the main OEM's.

**Booth: 133**

## Zanini

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Website: [www.zanini.com](http://www.zanini.com)



Zanini is a 55+ year success story, with the best yet to come. Originally specializing in wheel covers for the automotive industry, Zanini has grown to 1,600+ employees supplying 100 million wheel trim units a year to almost every automaker in the world. That's 1 in 3 of every wheel produced on the planet. Our people are our strongest asset and those who have been integral in getting us to where we are today.

Yet, that's only part of the story. Zanini's dedication to innovation has also set the industry standard for plastic interior and exterior functional trim. Zanini is one of the few suppliers who can combine global reach and full service supply with production plants on three continents -in Spain, France, Italy, Czech Republic, USA, Mexico, Brazil, China and India. By being global with our operational excellence, we can better help customers create world leading brands.

To ensure the continuing success of its customers, Zanini is today taking the lead in new areas that are becoming increasingly important for leading auto brands – safety, autonomous driving and sensorization. Zanini is using its expertise to pioneer new products such as radome, and decorative light and sensor integration to name a few.

We do all this because in our world success has only one meaning – the success of our customers and the growth of our people.

Zanini. Empowering auto brands to lead.

**Booth: 132**

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and voice of the automotive and mobility systems  
engineering community.

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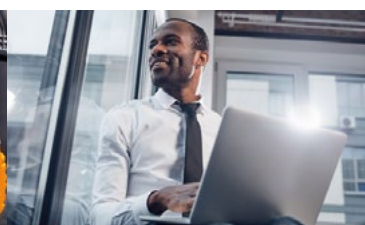
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# Knowledge Lounge programme

Please note that the programme detailed is correct at the time of print (30th August).

Tuesday 12 <sup>th</sup> September	10:00 – 12:00	<p><b>FISITA Carbon Neutral Mobility Working Group Forum</b></p> <p><b>Agenda</b></p> <p><b>Speaker:</b> Remi Bastien, CTO, FISITA</p> <ul style="list-style-type: none"> <li>• <b>Welcome</b></li> <li>• <b>Presentation of the Carbon Neutral Mobility Working Group objectives</b></li> <li>• <b>Presentation on the FISITA Position Paper “Urgent challenges and opportunities for the automotive industry”</b></li> <li>• <b>Audience Q&amp;A</b></li> <li>• <b>Conclusion</b></li> </ul> <p><b>Remi Bastien</b> Remi received his Engineer Diploma from ECAM in 1980.</p> <p>He joined Renault Group in 1982, and after different responsibilities, he became Vice President for Research and Innovation for Renault Group (2009-15), before becoming Global Director for Autonomous Driving Prospective at the Renault/Nissan Alliance (2015-16) and finally Vice President, Automobile Prospective for Renault Group until 2021.</p> <p>He is honorary chairman of NextMove (French cluster dedicated to mobility), CTO of FISITA and member of the Shift Project (think tank for sustainable economy).</p> <p>He was a member of the EUCAR Council (former chairman in 2012) and Chairman of VEDECOM (French cooperative research institute) from 2017 to 2020, as well as Director of the program “Power Electronics” for French Automotive Industry and French Electronic Industry from 2020 to end of 2021.</p> <p>He is the co-author with Luc JULIA of the book “On va droit dans le mur?”.</p>	
	12:30 – 13:30	<p><b>Climate change session: CLEPA - Climate Change - focus on circularity in the automotive industry</b></p> <p><b>Moderator:</b> David M. Storer, Innovation &amp; New Mobility, CLEPA</p> <p><b>Topics &amp; speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>CLEPA R&amp;I Circularity</b> - Anna Rossi, Director of Technology Partnerships at Forvia and Chair of the CLEPA R&amp;I Work Group</li> <li>• <b>Towards a Circular Economy in the automotive industry</b> - Markus Seidel, Head of Research Circular Economy, EUCAR</li> <li>• <b>The 4Rs of Circular Economy: Robust Design, Repair, Remanufacturing &amp; Recycle(d)</b> - Mino Yamamoto, Group Circular Economy Director, Valeo</li> <li>• <b>Rebuilding the value chain for comprehensive Circularity</b> - Peter Lukassen, Director of Sustainability, Bosch Automotive Aftermarket</li> <li>• <b>TBC</b> - Carolin Zachäus, Scientific Consultant, VDI-VDE</li> </ul> <p><b>David M. Storer</b> Since 2020: Director of Research, Innovation &amp; New Mobility at CLEPA, the Brussels-based European Association of Automotive Suppliers, fostering collaboration with other stakeholders for smarter, greener, safer mobility through pre-competitive Research &amp; Innovation (R&amp;I).</p> <p><b>1991-2020:</b> Extensive experience as project manager and team leader in a series of positions with increasing responsibility in the automotive sector at CRF, the Torino-based R&amp;I centre of FIAT/FCA (now Stellantis)</p> <p><b>1983-1991:</b> Trained and worked as researcher in the aerospace &amp; defence sector with the British Ministry of Defence at various locations across the UK.</p> <p><b>Anna Rossi</b> She has an engineering background with over 25 years spent in the automotive industry. She is involved in the definition of Forvia technology roadmaps and she supports projects and initiatives associated to new automotive trends.</p> <p><b>Markus Seidel</b> Dr. Markus Seidel studied Business Engineering at the Karlsruhe Institute of Technology (Germany) and has a Ph.D. in Innovation Management from the University of St. Gallen (Switzerland). After his first career steps in the software and consulting industry he joined the BMW Group in 1994. Since then he has held various management positions in Inhouse Consulting, R&amp;D, Sales &amp; Marketing, Corporate Planning etc. Besides his current role at the BMW Group Markus is the Chair of the Expert Group Circular Economy at EUCAR in Brussels and a lecturer for sustainability and innovation at the Technical University of Munich (TUM).</p>	    

Tuesday 12 <sup>th</sup> September	12:30 – 13:30	<p><b>Carolín Zachäus</b> Dr. Carolín Zachäus holds a physics degree from the Technical University of Berlin and a PhD related to the topic of solar water splitting. She is currently working as scientific consultant at VDI/VDE-IT in the European and International Business Development department, focusing on sustainable mobility transitions with respect to automated as well as electric mobility in several European projects and the respective European partnerships.</p> 	
		<p><b>Mino Yamamoto</b> After Mino Yamamoto has obtained Engineering Degree at French Ecole Polytechnique and Ecole Nationale des ponts et Chaussées, Mino joined Parrot in 2014 where she led several projects in consumer drones. In 2017, she joined Valeo's Powertrain System Business Group where she held different positions in Product Marketing and Research &amp; Innovation to prepare the future of 48V electrification and steer the innovation roadmap. In 2020, she was appointed Corporate Strategy Director. In particular, she worked on Valeo's Decarbonization Roadmap, CAP 50 (disclosed in 2021), Valeo's Move Up Plan (disclosed in 2022), and also built the Group's circular economy strategy, 4Rs, which she is now in charge of implementing.</p> 	
		<p><b>Peter Lukassen</b> Peter Lukassen is responsible for operational sustainability in the Automotive Aftermarket division of Robert Bosch GmbH. In his division he drives the global sustainability strategy along the entire value chain. This includes ecology, economy and social aspects. Beyond refining business models, process landscape and the definition of appropriate performance indicators and targets, his goal is to establish a strong sustainability culture across all functions.</p> 	
		<p>Peter Lukassen was born in Zell a. H., Germany. After studying business administration at the WHU – Otto Beisheim School of Management in Vallendar, Germany, he wrote his dissertation on pricing of third-party logistics services. He joined the Bosch group in 2008 starting in controlling. After positions in manufacturing coordination and logistics he took over the responsibility for circular economy business development before heading the sustainability topics in 2022.</p>	
	14:00 – 14:30	<p><b>Climate change session</b> <b>Off road vehicles and climate change</b> Alex Keen, Fellow, ISTVS - International Society for Terrain-Vehicle Systems</p> 	
	15:00 – 15:30	<p><b>Climate change session</b> <b>Green NCAP vehicle ratings</b> Aleksandar Damyanov, Technical Manager, Green NCAP</p> 	
	15:30 – 16:00	<p><b>Climate change session</b> Susana Gomez, Deputy Director of Vehicles Spanish General Directorate of Road Transport (Dirección General de Tráfico)</p> 	

## Climate change session

### Intermodal green hydrogen synergies boost engineering for all transportation means in French Occitanie region

Jean-Luc Maté, Administrator, SIA

Christophe Turpin, Head of Academic Network and Techno Campus Hydrogen in region Occitania

#### Jean-Luc Maté, Administrator, SIA

Jean-Luc Maté graduated from the Polytechnic Engineering School of Grenoble in the subject of microelectronics and computer architecture, as well as receiving his MBBA from DUKE University.

He is considered as a European automotive electronics pioneer, thanks to his contribution to the buildup of the Renault Bendix Joint Venture in 1979 in Toulouse.



12:45 - 13:15

Jean-Luc has held many executive positions as VP R&D in powertrain, interior, chassis, ADAS, cockpit module, E/E vehicle architecture, ITS and Innovation for the western Europe area at Bendix electronics, Siemens VDO and Continental Automotive.

For 40 years Jean-Luc contributed to the creation of major European and worldwide initiatives that structure the automotive industry standards, such as: AUTOSAR, ERTRAC, ITS telematics and ITS 4 Climate & Eco driving.

Jean-Luc supports the continuous innovation in the development of clean, connected, autonomous vehicles and mobility services. He is the founder of the regional automotive and mobility cluster in Occitanie and the European Eureka cluster on Smart Electronic Systems EURIPIDES.

Today he is Administrator for the French Automotive Engineering Association (SIA) and oversees the engineering school partnership in the Occitanie region. He is also President of a consulting company promoting cooperation on innovative urban mobility services, electrical BEV & FCV eco system as well as ultra-light mobility for more efficient and affordable low CO<sub>2</sub> transport in the countryside.

## FISITA Industry Disruption Working Group Forum

### Agenda

- **Welcome** by Remi Bastien, CTO, FISITA
- **Overview of the Japanese Industry Disruption group** by Hiroaki Okuchi, Fellow, Toyota Motor Corporation
- **Overview of the European focus on Industry Disruption** by Remi Bastien, CTO, FISITA
- **Audience Q&A**
- **Conclusion**

#### Remi Bastien

Remi received his Engineer Diploma from ECAM in 1980.

He joined Renault Group in 1982, and after different responsibilities, he became Vice President for Research and Innovation for Renault Group (2009-15), before becoming Global Director for Autonomous Driving Prospective at the Renault/Nissan Alliance (2015-16) and finally Vice President, Automobile Prospective for Renault Group until 2021.



15:15 - 16:15

He is honorary chairman of NextMove (French cluster dedicated to mobility), CTO of FISITA and member of the Shift Project (think tank for sustainable economy).

He was a member of the EUCAR Council (former chairman in 2012) and Chairman of VEDECOM (French cooperative research institute) from 2017 to 2020, as well as Director of the program "Power Electronics" for French Automotive Industry and French Electronic Industry from 2020 to end of 2021.

He is the co-author with Luc JULIA of the book "On va droit dans le mur?".

#### Hiroaki Okuchi

Hiroaki joined Denso Corporation in April 1988 and worked for the powertrain group for more than 20 years. In June 2013, he was promoted to Executive Director of System Control Components Business Unit of Powertrain group. In April 2015, he transferred to Toyota Motor Corporation as a Managing Officer. He was responsible for active safety systems like advanced driving assistance system and Automated driving. In April 2017, he became an Executive Vice President of Advanced R&D. In July 2019, he became President of Advanced R&D. In January 2020, he became an Operating Officer of Toyota Motor Corporation. In January 2022, he became Fellow of Advanced R&D and Engineering at Toyota Motor Corporation.



In January 2017, Mr. Okuchi commenced his role as FISITA Vice President - Industry, where he is working closely with the Corporate Members to direct the work of the Industry Committee and support FISITA's overall activities.

Mr. Okuchi acquired a master's degree in mechanical engineering at the Nagoya University, Japan.





### Climate change session

**New ultra-light, low CO<sup>2</sup> affordable vehicles: a French initiative to support countryside mobility demand**

**Jean-Luc Maté, Administrator, Société des Ingénieurs de L'Auto (SIA)**

**Gabriel Plassat, Innovation Head at French Agency for Environment & Energy (ADEME)**

#### **Jean-Luc Maté, Administrator, SIA**

Jean-Luc Maté graduated from the Polytechnic Engineering School of Grenoble in the subject of microelectronics and computer architecture, as well as receiving his MBBA from DUKE University.

He is considered as a European automotive electronics pioneer, thanks to his contribution to the buildup of the Renault Bendix Joint Venture in 1979 in Toulouse.

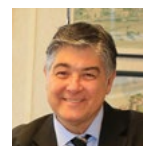
Jean-Luc has held many executive positions as VP R&D in powertrain, interior, chassis, ADAS, cockpit module, E/E vehicle architecture, ITS and Innovation for the western Europe area at Bendix electronics, Siemens VDO and Continental Automotive.

For 40 years Jean-Luc contributed to the creation of major European and worldwide initiatives that structure the automotive industry standards, such as: AUTOSAR, ERTRAC, ITS telematics and ITS 4 Climate & Eco driving.

12:15 – 12:45

Jean-Luc supports the continuous innovation in the development of clean, connected, autonomous vehicles and mobility services. He is the founder of the regional automotive and mobility cluster in Occitanie and the European Eureka cluster on Smart Electronic Systems EURIPIDES.

Today he is Administrator for the French Automotive Engineering Association (SIA) and oversees the engineering school partnership in the Occitanie region. He is also President of a consulting company promoting cooperation on innovative urban mobility services, electrical BEV & FCV eco system as well as ultra-light mobility for more efficient and affordable low CO<sup>2</sup> transport in the countryside.



#### **Gabriel Plassat, Innovation Head at French Agency for Environment & Energy (ADEME)**

Gabriel Plassat is an expert for the European Commission (INEA, h2020), for ADEME (French Agency for Environment & Energy), and is an advisor for several corporate firms.

Gabriel created FABMOB (La Fabrique des Mobilités: the Mobility Factory) dedicated on open-source x mobility for creating a new common culture.

He is a writer, speaker, and teacher and aims to inspire major transitions in the field of mobility and disruptive innovations in complex environment.

Gabriel is currently in charge of innovation and mobility at ADMEME the French agency for ecological transition.



### Climate change session: Government of Catalonia

#### **Assumpta Farran, Energy General Director, Government of Catalonia**

Degree in Physical sciences (University of Barcelona), with training in atmospheric modeling (Universitat Politècnica de Catalunya) and in atmospheric chemistry (UNED). Within the program of the European Social Fund, master's degree in environment and energy (Catalan Institute of Technology), with training in public leadership (IESE) and in public-private partnership (ESADE).

14:30 – 15:00

More than 25 years working in the field of energy and its impacts on the atmosphere. Member of the Board of Trustees and the Executive Board of the Fundación Renovables; member of the Academic Council of the Business Association for the Promotion of the electric vehicle AEDIVE and member of the Governing Council of the renewable energy cooperative Som Energia.

Between 2011 and 2016 general directorate of Environmental Quality and in the period 2016-2018 directorate of the Catalan Energy Institute of the Catalan Government and President of ENERAGEN (Asociación de Agencias Españolas de Gestión de la Energía) and Vice-president energy efficiency section at FEDARENE (European Federation of Agencies and Regions for Energy and the Environment). Since 2021 is General director of Energy in the Catalan Government.



### FISITA Next Generation Mobility Working Group Forum

- **Speakers:** Olga Anapryenka, Principal Consultant, Steer Group  
Nick Reed, Founder, Reed Mobility and Chief Road Safety Advisor, National Highways
- **Welcome**
- **Presentation of the FISITA Next Generation Mobility objectives**
- **Presentation of the FISITA Position Paper “Next Generation Mobility”**
- **Audience Q&A**
- **Conclusion**
- 

#### Olga Anapryenka

A professional with hands-on experience in understanding the interactions between disruptive technologies and their impact on mobility and social welfare. Olga manages projects on new and innovative technologies, such as intelligent infrastructure, new integrated operational platforms, Mobility as a Service, Mobility Hubs and smart ticketing. She brings thorough knowledge of understanding policy & strategy implementation, assessing functions, objectives and requirements for clients such as Highways England, Transport for London, Department for Transport and local authorities. She is also a Co-founder of Women in Mobility UK.



#### Nick Reed

Prof. Nick Reed has worked at the cutting edge of transportation research for more than fifteen years. From early studies using driving simulators to examine driver behaviour, he has since been instrumental in connected and automated vehicle projects in the UK to the value of more than £50m, including leadership of the GATEway project in Greenwich and the creation of London's Smart Mobility Living Lab.

Nick was Academy Director at TRL (the UK's Transport Research Laboratory) before becoming Head of Mobility R&D at Bosch, the world's largest automotive supplier.



He has since founded Reed Mobility – an independent expert consultancy on future mobility topics working across the public, private and academic sectors to deliver transport systems that are safe, clean, efficient, ethical and equitable.

Nick is a trustee of the road safety charities Brake and RoadSafe, a non-executive director of FISITA UK and, in 2021, he was appointed as the first ever Chief Road Safety Adviser to National Highways – the strategic roads authority for England.

## ***Donate to the FISITA Foundation***

FISITA is the international membership organisation and voice of the automotive and mobility systems engineering community.

FISITA has been supporting the automotive engineering community since 1950 and with over 70 years expertise we are dedicated to supporting young talent and future generations of young engineers.

### **Donate today**

Donations to the FISITA Foundation will create opportunities for young people to take advantage of the FISITA Travel Bursary and more, in order for them to fulfil work experience opportunities within our industry.

Thank you for contributing to the FISITA Foundation and supporting us nurture up-and-coming engineering talent!

Visit the FISITA stand No. 157 and speak with our team!

Enquiries: [info@fisita.com](mailto:info@fisita.com)



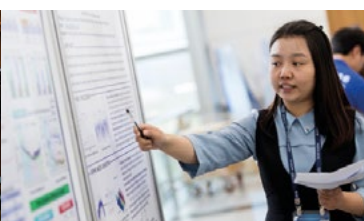
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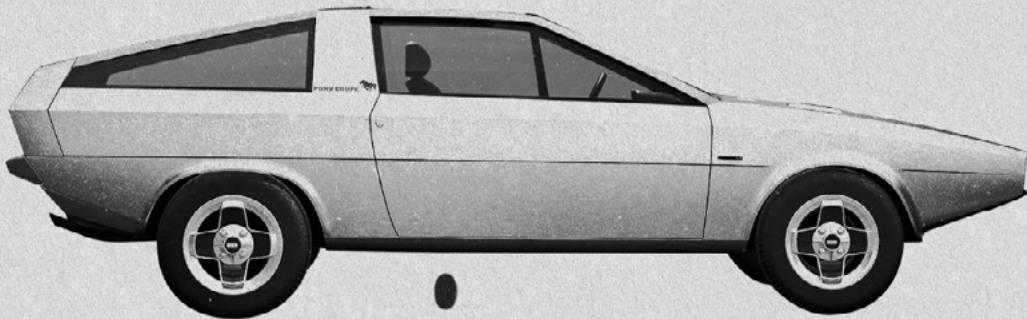
## Notes

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# 49 years



Back in the 70s,  
an ambitious designer sketched out the  
most mesmerizing car you've never seen.  
It was sleek. It was powerful. It was a work  
of art on wheels — an icon that inspired  
icons, such as a time-traveling car from  
a famous sci-fi movie and even our  
N Vision 74. This machine paved the way  
for progress, influencing our own vision of  
the future. But not a single ad was ever  
made for this car. It didn't even see  
the production light.

# in the

So, we are honoring this jaw-dropping  
machine — with the ad that should have  
been. Finally here, in all its glory. Anyway,  
if you've read up to this point, you're  
officially part of a select crowd that reads  
long copy ads in 2023. The point: the car  
that got away 49 years ago has arrived today.

The Pony Coupe concept.  
Restored, revitalized, and ready to  
blow everyone away. Again.

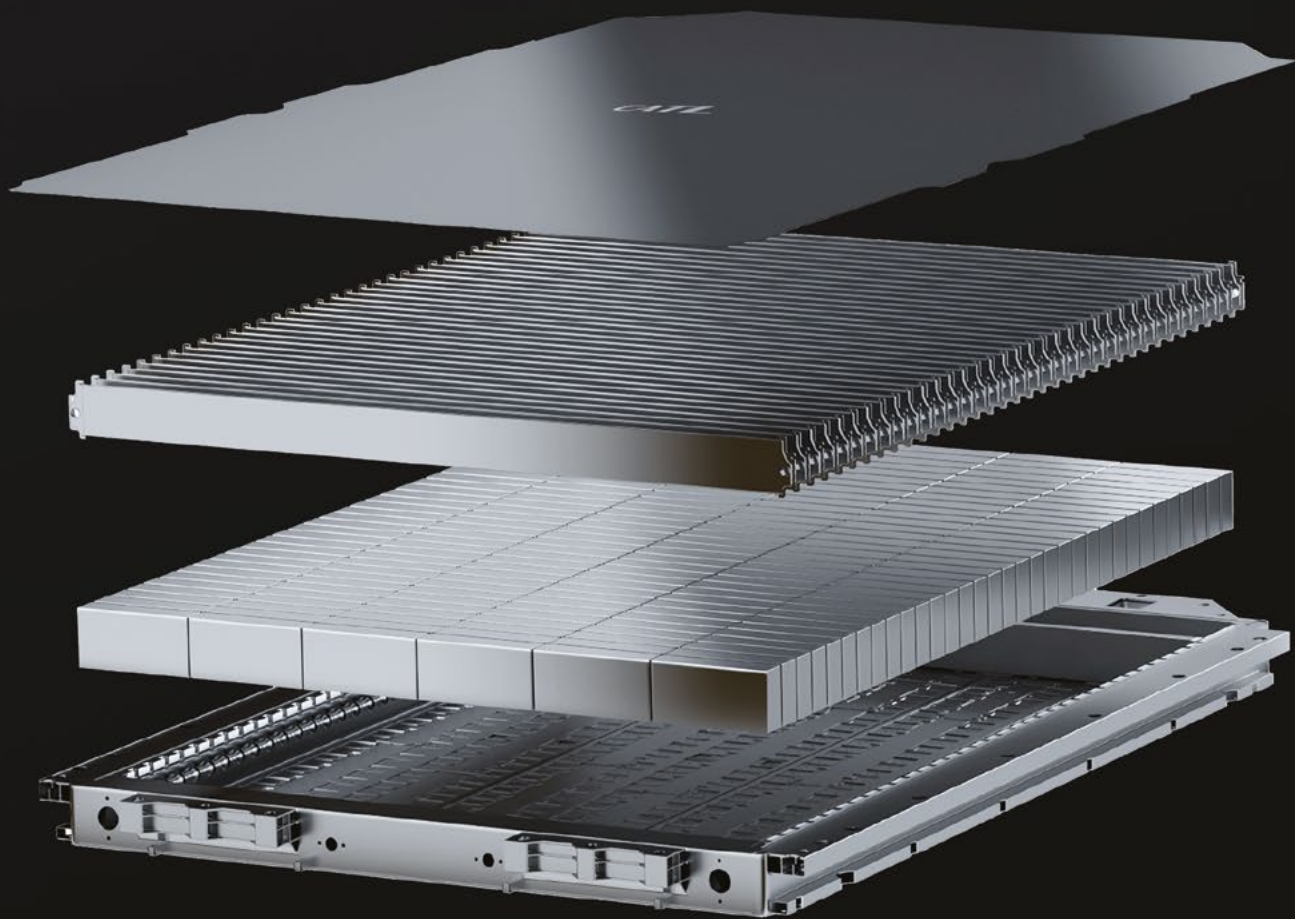
# making.



This ad shows the Hyundai Pony Coupe concept. The image is 3D rendered.  
The vehicle is not available for purchase.

CATL

# QILIN BATTERY



Up to **72%**  
Volume utilization efficiency



Within **10min**  
Fast charging **10-80%** SOC



Over **1000km**  
in a breeze