

Portugal

MAKES SENSE

**Talented People.
Creative Solutions.**

Portugal
at the Hannover
Messe 2023



aicep Portugal Global
Trade & Investment Agency

Portugal returns to the biggest stage of world industry, one year after being the partner country of Hannover Messe. Portugal will be present at the 2023 edition of Hannover Messe with a 200-square-metre stand located in Hall 2 (B46) at the north entrance of the fair, and with 37 companies from the areas of Engineering Parts & Solutions, Automation, Motion & Drives, Digital Ecosystems, Energy Solutions, Compressed Air & Vacuum and Startup Area.

The official presence organised by AICEP - Portuguese Trade & Investment Agency is the natural result of the success achieved in last year's edition where Portugal presented - under the motto Portugal Makes Sense - the many reasons why it makes sense to invest, source and develop business partnerships.

In the 2023 edition, Portugal will mark its presence with a stand featuring eight projects and competencies within the scope of the fair and will take part in a set of conferences covering themes like Industrial Startups, Industry 4.0, Energy and Industrial Transformation.

Meet the Portuguese companies in Hall 3 (Engineering Parts & Solutions), Hall 4 (Compressed Air & Vacuum), Halls 5 & 9 (Automation, Motion & Drives), Hall 12 (Energy Solutions), Halls 15 & 17 (Digital Ecosystems), and Hall 17 (Startup Area). And visit AICEP - Portuguese Trade & Investment Agency stand in Hall 2 - Booth B46.

This year's edition of Hannover Messe takes place from 17 to 21 April under the motto "Industrial transformation - Making a difference" and will reflect on how companies are driving change and developing solutions to create an innovative and sustainable smart industry.

Portuguese Trade & Investment Agency is the public entity that encourages foreign investment into Portugal as a one-stop-shop agency, and promotes the exports and the internationalization of the Portuguese companies and the economy, through its offices in Portugal and a global network in more than 50 countries.



portugalmakesense.pt



portugalglobal.pt

Convince yourself of our technological competence...
... using the example of eight high-tech projects:

CEiiA, CASTA

Modular multirotor platform for testing and validation of enabling technologies for Advanced Air Mobility. Modular UAV with a payload capacity of 20kg (4 rotors) to 40kg (8 rotors) for logistics missions and surveillance missions. This aircraft has been designed for various use cases ranging from agriculture to logistics and transport in semi-urban and urban environments.

Follow Inspiration, 3 AMR

AMR Stacker: pallet transport with autonavigation, indexing algorithm for misplaced pallets, height obstacle detection, integration into the fleet management system, barcode scanning and load weight of the load weight. Two such robots have already been developed for Volkswagen and Continental Portugal.

Fraunhofer Portugal AICOS, Parts Counter - Intelligent and fast counting of objects

Parts Counter is a technological solution designed, as the name suggests, to count parts. It uses computer vision techniques and AI algorithms to estimate the number of parts present.

Infinite Foundry, Metaverso Industrial platform

The Metaverso Industrial platform is the first process software to run in 3D and in real time, thus providing and transparency of the production process.

Muvu, RAILES - SMART MES

RAILES is an MES (Manufacturing Execution System) and belongs to the next generation software for the industry, helping manufacturers to make better decisions based on real-time information from the from the shop floor.

Skillaugment, DEO (Digital Enhanced Operator)

The Digital Enhanced Operator (DEO) is a Portuguese research and development project for the introduction of augmented reality solutions to improve operator skills in factories. Specifically, it involves the use of smart glasses to support maintenance work.

University of Coimbra and SOPLAST, UNIC3

The Portuguese partnership between the University of Coimbra and SOPLAST leverages synergies between industry and academia to develop a new generation of stretchable and resilient electronics for the automotive and mobility sectors.



Portugal will participate in a set of conferences covering themes like Industrial Startups, Industrie 4.0, Energy, and Industrial Transformation at the Hannover Messe'23.

Portugal marks presence at the following Conferences:

Portugal Strategy for Hydrogen

Keynote speaker: Ana Fontoura Gouveia, Secretary of State for Energy and Climate, Government of Portugal
17.04.2023 | 12:40 – 13:00 | Hall 13, Stand D25 – Public Forum, Interview

Portugal Networking 5.0

16:30 – 18:00 - Hall 2, Stand B46

Portugal, a reliable partner in an ever-challenging time

Keynote speaker: Bernardo Ivo Cruz, Secretary of State for International Trade and Investment, Government of Portugal
18.04.2023 | 15:30 – 16:20 | Hall 2, D54 Global Business & Markets, Trade & Investment Stage

Portugal Networking 5.0

16:30 – 18:00 - Hall 2, Stand B46

Portugal Startup Nation

Portuguese startups, led by Startup Portugal, will do a pitch at the Industrial Startup Stage. The event will start with David Magboule presenting Startup Portugal and the Portuguese vibrant ecosystem of startups. Next, five Portuguese startups pitching for 3 minutes, followed by 2 min of Q&A.

Keynote speaker: Pedro Cilínio, Secretary of State for the Economy

Guests:

Luis de Matos, FOLLOW INSPIRATION / José Valente, AZITEK / Luis Sarmiento, INDUCTIVA RESEARCH LABS / Niccolò Corsini, LOGIDOT/SONODOT
18.04.2023 | 10:00 - 10:30 | Hall 17, Stand A80

Conference Industrie 4.0

Disclosing the “virtual backbone” operating model of industrial systems on-demand, Digital-Twin and Simulation tools for enhancing design and operational effectiveness.

The session will be dedicated to unveiling the power of Digital-Twin (DT) and Simulation tools for enhancing design and operational effectiveness of industrial processes.

The panel will take stock of current state of play of DT and Simulation tools, their convergence with AI toolkits and how these technologies will serve existing and new constituencies and generate new valuable services.

It will be discussed potential transformational impact and benefits of DT and Simulation in industrial management processes, efforts and barriers to practical implementations and revenue opportunities from integration in business models.

The Panel will be challenged to offer a view on “low hanging fruits” in application of these technologies in industrial computing and simulation, in the perspective of a “virtual backbone” operating model of industrial systems.

Moderator:

Jorge Portugal, COTEC

Guests:

André Godinho, INFINITE FOUNDRY / Manuel Oliveira, SKILLAUGMENT LDA.
/ Tiago Santos, MUVU TECHNOLOGIES, LDA.
19.04.2023 | 10:25 - 10:50 | Hall 8, Stand D17

Energy Stage Conference Portuguese Contribution to the Hydrogen Value Chain

In this talk, we will discuss the various stages on the value chain associated to hydrogen. The talk will focus on the potential and role of hydrogen in decarbonizing various sectors such as transportation and industry and also on how the Portuguese companies are preparing themselves to play a role as technology and service providers.

The importance of a robust and sustainable hydrogen value chain will be addressed in distinct dimensions, including industrial players, both manufacturers of hydrogen equipment and industrial hydrogen users, investors and policymakers to drive the growth of the hydrogen economy and ensure its long-term viability, highlighting the role Portugal will play in this new paradigm.

Moderator:

José Carlos Matos, INEGI

Guests:

Manuel Costeira da Rocha, SMARTENERGY GROUP / José Vale Machado, SYSADVANCE / Manuel Fonseca, PRF - GÁS, TECNOLOGIA E CONSTRUÇÃO, S.A.
19.04.23 | 15:00 -15:30 | Hall 12, Stand D35

Conference Industrial Transformation Enabling Advanced Manufacturing - Portugal Makes Sense

Industrial competitiveness is deeply rooted on companies' resilience, on their ability to respond to the market changes and on their capacity to deliver additional and differentiated value to customers' processes, products and needs.

Portugal has been boosting a vibrant innovation ecosystem, supported by a consistent institutional framework and by a dynamic network of R&D organizations, innovative tech suppliers and industrial champions that are deploying ground-breaking solutions to service their manufacturing industry's clients.

The panel will provide first hand testimonies, from a Portuguese R&D organization supporting industrial innovation, from a technology supplier that is enabling the digital transformation of manufacturers' operations and from an industrial company that is sourcing engineered solutions to support their customers' innovation. Advanced Manufacturing: Portugal Makes Sense.

Moderator:

Pedro Rocha, PRODUTECH

Guests:

Francisco Almada Lobo, CRITICAL MANUFACTURING / Alcibiades Guedes, INEGI / Henrique Rézio, SOPLAST
20.04.23 | 15:00 -15:30 | Hall 3, Stand B48

EXHIBITOR CLUSTERS

Portugal will be present with 37 companies from the areas of Engineering Parts & Solutions, Automation, Motion & Drives, Digital Ecosystems, Energy Solutions, Compressed Air & Vacuum and Startup Area at the 2023 edition of Hannover Messe.

Meet the Portuguese companies in Hall 3 (Engineering Parts & Solutions), Hall 4 (Compressed Air & Vacuum), Halls 5 & 9 (Automation, Motion & Drives), Hall 12 (Energy Solutions), Halls 15 & 17 (Digital Ecosystems), and Hall 17 (Startup Area).



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ENGINEERED PARTS AND SOLUTIONS

Portugal is a global player in Engineered Parts & Solutions. The Portuguese offer has demonstrated enormous international competitiveness in this business area. Engineered Parts & Solutions is one of the topics where Portugal stands out at the Hannover Messe '23, with 21 companies in Hall 3.

In recent years, Portugal has strengthened its position as a global player based on its ability to produce small series with high added value, providing flexibility at a remarkable price/quality ratio. Its main client industries are in relevant, sophisticated and demanding sectors, ranging from automotive, aeronautics, electrical and electronics, among others.

The competitiveness of the Portuguese companies is based on technical and engineering capacity, the incorporation of modern design requirements, and highly qualified human resources in production and control, capable of meeting the most rigorous quality and service standards. From small components to complete systems, Portuguese companies stand for quality, innovation, and technology.



AIMMAP | Metal Portugal

www.metalportugal.pt

Hall 3, Stand E28

AIMMAP was founded in 1957 and is one of the most representative sectorial associations in Portugal, whose main objective is to assist and advise and help its associated companies to improve their competitiveness and innovation processes. With more than 1.100 associated companies in the metal and metalworking industry,

AIMMAP's mission is to contribute towards the promotion and development of the sub-sectors it covers by giving technical support for technological and logistic assistance and professional training. AIMMAP is also focused on the promotion of a well-sustained development of the sector based on its internationalization and global competitiveness.



ALSIL - Almeida & Silva, Lda.

www.alsil.pt

Hall 3, Stand E28

As a subcontractor, ALSIL is used to manufacture a very wide range of products which can go from some grams up to 15 tons. Being specialised in the maintenance & reparation of industrial equipment and precision mechanics the company has as its main strengths our reputation & credibility in the market, flexibility, reactivity, experience, and our best-cost provider strategy.

ALSIL's mission is to provide "more value for the money". The company emphasises differentiation through quality, service, and strict accomplishment, minimizing costs through continuous improvement, high productivity levels, vertical integration and excellent relations with its suppliers.



CMF - Display Unipessoal, Lda.

www.cmfdisplay.pt

Hall 3, Stand E28

Founded in 2011, CMF Display is a young and dynamic, technology-driven company, that keeps abreast of all new production processes and the latest technologies to ensure the best delivery times, product quality and the most competitive prices in the market. CMF Display's main market is the outsourcing of metal parts, working with great skills, steel, stainless steel or aluminium for various sectors including the furniture industry, advertising, automotive and metalworking industry in general, etc.

The company produces from laser cutting plate and tube, bending, electrostatic painting or any other surface treatment, their assembling and packaging, and can perform every step of the process or only part of the production process.



FAL - Fundação do Alto da Lixa, S.A.

www.fal.pt

Hall 3, Stand E28

The Foundry FAL - Fundação do Alto da Lixa, SA, was founded in 1977. The main activity of the company was the manufacture of components and repair of farm and earth-works machinery. Its evolution led to the growth of the foundry activity. Thus, the year 1993 was the turning point, which led to the renaming of it to the FAL, when was carried out a major investment in the foundry enabled it to manufacture a wide range of products in steel and cast iron, opening it to new markets.

Reasons to choose FAL: competitive quality, labour cost and delivery times; European standards of living and rules, environmental standards & general sales and purchase conditions; 2 or 3 hours from any European destination; delivery in 1 week by land to any European destination; strategic connections with all continents.



Ferespe - Fundação de Ferro e Aço, Lda.

www.ferespe.com

Hall 3, Stand E28

FERESPE

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Firmago - Fundação de Alumínios, S.A.

www.firmago.pt

Hall 3, Stand E28

FIRMAGO
fundação de alumínio S.A.

Firmago, S.A. is a Portuguese company - based in the district of Braga - in the metallurgical sector, founded in 1969, dedicated to the production of casting, machining and finishing parts in high-quality aluminium alloys.

The company positions itself as a manufacturer of various aluminium parts, from parts for the machinery sector or parts of greater complexity and dimension in the value chain of the electric, agricultural, railway, and oil sectors, among others.

Fundijacto - Fundicao Injectada de Metais, S.A.

www.fundijacto.pt

Hall 3, Stand K22/1

Fundijacto  **CASTAL**

Product: High-pressure die casting pieces of aluminium and zinc alloys up to 6 Kg; dies for high-pressure die casting and moulds for plastics injection.

Foundation year: 1966.

Employers: 120.

Export countries: Belgium, Canada, Finland, France, Germany, Spain, Turkey and the United Kingdom.

Client's profile: electric and electronic applications, automotive industry, lighting equipment and household appliances, automation, etc.

Fundiven, S.A.

www.fundiven.com

Hall 3, Stand E28



FUNDIVEN, S.A.

Founded in 1978 with the purpose to produce aluminium pieces by injected fusion, to incorporate in suitable products and subcontracting. Devoting it exclusively to subcontracting since 1993, with a constant modernization in technics and processes of aluminium league injection. Today FUNDIVEN has 150 assistants and the ability to fuse to 10 Kg gross weight.

Research and Development projects in line with the customer. Manufacture of the necessary moulds and tooling needed to produce the required parts. Technical parts made to a high specification, regulation valves and gas control and liquid hydra carbides, gas burner, parts for car equipment, parts for use in electrical and electronic equipment, etc. Alloys: ALSi12; ALSigCu3; ALSi10 Mg
Certification – ISO 9001/2015, 14001/2015 and IATF 16949

Inaceinox, S.A.

www.inaceinox.pt

Hall 3, Stand E28



At Inaceinox - Indústria de Equipamentos Inoxidáveis, SA, we are dedicated to the development of stainless steel and aluminium equipment for the food, beverage, chemical, wine, pharmaceutical, plastics, biotechnology and cosmetics industries, among others.

From the project itself, production, and assembly to sale, we manufacture equipment and machines tailored to the needs of the client.

In addition, we can provide turnkey projects, thus responding to the requirements required by each client.

Irmãos Sousa, S.A.

www.is3.pt

Hall 3, Stand E34



IS3 METALWORKING is a Portuguese company which has been providing different businesses worldwide for more than 30 years. With a wide selection of metal parts, directed to different purposes and industries, this company has achieved immeasurable know-how in the metalworking industry.

Its core business is focused on subcontracting, which is translated into producing parts and mechanically welded assemblies, according to its customers' specifications, offering at the same time all the technical support, necessary for the planning, execution and assembly.

Jáexiste, Lda.

www.cybore.pt

Hall 3, Stand F17



JAEXISTE is a company of turning precision, specialising in manufacturing components for all industrial sectors, with 17 years of know-how. The company produces components and accessories for diverse industrial activity sectors, like automotive, aeronautic, electric power generation, and electronic, among others. Always following the customer's requirements. And turning all types of material, e.g.: steel, stainless steel, brass, aluminium, technical plastics, etc.

Its production capacity can be small series (less than 1000 pieces) up to large series.

Cybore has CNC machining services with high speed in turning and milling, and automatic feeders. Work diameter until 90 mm (for bigger diameters, one part at once).

Jasil - J. Antonio da Silva, Lda.

www.jasil.com

Hall 3, Stand E28



JASIL, founded in 1948, has a long experience in the production of precision parts. With 100 workers, JASIL production covers a large variety of processes with state-of-the-art types of equipment. This allows a big flexibility as customers can order a finished product with only one supplier.

JASIL has an R&D department that works on the launch of its products and supports customers in the development of its products with total exclusivity and confidentiality.

Marsilinox, Lda.

www.marsilinox.pt

Hall 3, Stand E28



MARSILINOX - Indústria Metalúrgica, Lda., specializing in project development and manufacturing of metal products, aiming at the satisfaction of their customers quickly and efficiently from the budget to carry out orders.

Thirteen years of experience in metallurgy and metalworking and equipped with the latest high-tech and labour-trained personnel are ensuring greater accuracy and excellent finish of the goods supplied by Marsilinox.

Marsilinox has been implementing projects in several areas: Conveyors and Equipment for the Food Industry; Beverage; Automobile; Communications; Electronics; Industrial Maintenance; Street Furniture; Lighting; Sound; Chemical Industry; Construction; Equipment for Wineries; Water Treatment & Filtration.

Metalúrgica Falcão, Lda.

www.metalurgicafalcao.com

Hall 3, Stand E28



Metalúrgica Falcão is a Portuguese company with more than 20 years of experience, which offers subcontracting in different fields of activity such as Chemicals, Food, Plastics, Concrete, Careers, Naval, Pharmaceutical, Laboratory, Cosmetics, Printing, Railways, etc.

Its design office works with 3D and 2D drawings, Solidworks and Autocad and its manufacturing is integrated into Industrie 4.0 software.

Metaldufe, Lda.

www.metaldufe.com

Hall 3, Stand E28



Founded in 1997, Metaldufe specialises in Turning: Stainless Steel, Brass, Steel, Plastic, Aluminium and Copper. The company has modern equipment of CNC Lathes and machining centres with 5 and 8 axes. Its mission:

We meet high-quality standards. We meet the agreed delivery times. Great flexibility to meet customer needs.

Molde Matos, S.A.

www.moldematos.pt

Hall 3, Stand F18



Mouldmaking since 1968, Molde Matos has firmly made a name for itself in the industry as a business partner for life.

The company's motto "ALWAYS BETTER", coupled with cutting-edge technology and the highest quality standards applied to the execution of each task, ensures that it delivers a high-quality product, time and again. The company is one of the industry's largest and most qualified mould manufacturers.

MoldMak - Manufacturing Technologies, S.A.

www.moldmak.com

Hall 3, Stand E28



Moldmak focuses its activity on the design/development, production and commercialization of Computer Numeric Control (CNC) machines to optimize the production process in the mould manufacturing sector. Moldmak's developed equipment's main advantage comes from its multi-task capacity to do big millings, end-millings, drilling, tapping and deep hole drilling (gun drill & STS), which allows it to accomplish all milling operations with quality with only two setups.

NCP - Fabrico de Produtos Metálicos, S.A.

www.ncpmetal.com

Hall 3, Stand E28



With over 25 years, NCP is a Portuguese metalworking company specialising in the manufacture of small and large metal parts. With a young and dynamic team comprising more than 150 employees, the company strives daily to find solutions that meet the needs of each project, whether with direct customers or as a subcontractor.

The company works with steel, stainless steel and aluminium and offers surface treatments.

Extrusal – Opexil, Importação e Exportação, Lda.

www.extrusal.pt

Hall 3, Stand E28



Extrusal is a Portuguese premium supplier of aluminium profiles and systems. With in-house machining, surface treatment and die construction. The company's customers benefit from all the key advantages that make aluminium a material of choice for many industries: density (lightness), conductivity, durability, malleability, recyclability (without ever losing its initial properties) and non-toxicity.

S.Roque - Maq. Tecnologia Laser, S.A.

www.roqlaser.pt

Hall 3, Stand E28



S. Roque has 14 years of experience in the field of metallurgy. The company's cutting process is laser-cut, and it has complementary services like bending, welding, 3D tube cutting, machining by CNC machines, and many others.

Simoldes Aços

www.simoldes.com

Hall 3, Stand F12



Founded in 1959 Simoldes Tools is a 100% privately owned group of companies that employs over 1.000 workers worldwide. Simoldes Tools is present in several European countries, South America and the USA, India and Morocco.

Simoldes Tools is a global supplier of moulds for the injection of thermoplastics for the automotive and non-automotive sectors and a solution provider that integrates a complete service from part development to after-sales.

TSF - Metalurgia de Precisão, Lda.

www.tsf-trofa.com

Hall 3, Stand E28



TSF is a company specialising in high-precision CNC Machining (5 Axles Turning and Milling), Technical Welded Construction and Equipment Assembly.

TSF positions itself in the market as a reference partner with technical and operational competencies in the production and provision of services, fulfilling its clients' most ambitious and complex demands and requirements, in areas with a high degree of demand, such as Nuclear, Aeronautical, Petrochemical, Pharmaceutical, Food and Perfumery / Cosmetic, Packaging and other Industries.

ENERGY SOLUTIONS

Portugal boasts one of the highest rates of green energy consumption in Europe. Energy Solutions is one of the areas where Portugal stands out at the Hannover Messe'23, with 3 companies in Hall 12.

Portugal is a leader in the European Union's energy transition – the National Strategy for Green Hydrogen exemplifies its commitment to renewable energies by promoting progressive integration of hydrogen into various sectors on the road to a decarbonized economy. The strategy also aims to create a green hydrogen export hub for Europe, which is essential to advancing global growth in the sector.

Portugal is taking firm steps to reduce energy consumption, use its resources more efficiently, provide more sustainable mobility, achieve greater security of supply, and diversify its renewable energy footprint. According to Eurostat, Portugal is the 5th EU country with the largest share of energy from renewable sources. In December 2021, Portugal also became the fourth country in Europe to eliminate coal in electricity production.

At the Hannover Messe'23, Portuguese companies will showcase their technological solutions for clean-energy production and demonstrate to the global market Portugal's vast know-how and experience in the renewable electricity sector.



LusoServica, Lda.

www.lusoservica.com

Hall 12, Stand A31



Lusoservica is a electrical cables and harnesses manufacturer for all kind of industries. Also we make electromechanical assemblies and plastics overmolding for our customers. We can offer a complete service to all clients from the product development, materials selection and procurement, stocks management, short delivery time, production and assembling with the most modern technologies at competitives costs, warranted quality by 100% poke-yoke tests, and many logistics solutions. All in on technologies in only one supplier.

PRF - Gás, Tecnologia e Construção, S.A.

www.prf.pt

Hall 13, Stand F43



PRF Gas Solutions is a 32 years old company focused on technology, engineering, construction, operation and maintenance of all types of equipment and infrastructure for the fuel gas sector, from transportation, distribution and utilization networks, regulating stations, LNG Bunkering Systems, natural gas refuelling stations, LNG regasification plants and hydrogen vehicle refuelling stations, to renewable energy projects. Regarding renewable energies, PRF has invested in technology and human capital in this area, particularly in hydrogen, and with the know-how acquired over the years, is now involved in several projects in this area, from projects for industry, injection in the natural gas network and mobility, having built the first portable hydrogen filling station in Portugal – DRHYVE, running since August 2021.

Sciven, Lda.

www.sciven.com

Hall 13, Stand B63



SCIVEN is a clean-tech company with global ambitions, founded on a strong and experienced engineering team focused on the development and implementation of turnkey solutions for the production, storage and management of thermal and electrical energy for the industrial, service and community energy sectors.

DIGITAL ECOSYSTEMS

Portugal boasts one of Europe's most liberal business ecosystems with policies that favour foreign investment. Portuguese companies develop innovative digital technologies that enable international companies to improve the quality of life for millions of people. Digital Ecosystems is one of the areas where Portugal stands out at the Hannover Messe'23, with 4 companies in Halls 15 & 17.

Portuguese companies, many of which are small or medium-sized, are well-versed in Industrie 4.0 concepts that drive industrial transformation. They provide solutions to industries ranging from automotive and transport, food, and medical devices to moulds and plastics, packaging, and pharmaceuticals.

Portuguese providers offer smart manufacturing execution solutions that monitor processes in real-time. These form part of next-generation software developed for the industry, helping managers to make better decisions based on instant information gathered from the shop floor.

Thanks to digitalization, small companies make more and more breakthroughs in fields that were once the exclusive preserve of big industrial players.



Critical Manufacturing, S.A.

www.criticalmanufacturing.com

Hall 15, Stand C13



At Critical Manufacturing the Execution System for high-tech discrete manufacturing provides manufacturing companies with the necessary Industry 4.0 expertise for their success today and in the future. Its MES scales according to manufacturing needs provides good visibility of production and costs across the supply chain and is easy to implement into existing IT infrastructure.

With the company's innovative products and services, companies are able to reduce costs, meet market demands adaptively and achieve more flexibility, transparency and reliability.

SOPLAST - Moura Moutinho Morais, Lda.

www.soplast.com

Hall 17, Stand D39



From additive manufacturing, injection moulded technologies and smart surfaces, Soplast provides its customers for more than 40 years with know-how, empowering sustainable and innovative products based on polymers.

UINCS is its start-up company being presented at Hannover Messe 2023 for the 1st time, making use of patented technology of highly elastic electronics for the mobility sector.

Haptic-sensitive touch functions, capacitive printed circuits, integration of SMD components and heating surfaces on amazing 3D electronic shapes are innovative approaches that our recent UNIC3 interior car concept will be presenting at Hannover Messe 2023.

Muvu - Technologies, Lda.

www.muvu.tech

Hall 17, Stand D35/1



Muvu Technologies is a Software House development start-up focused on transforming meaningful data into powerful knowledge to increase the levels of productivity, decision making and compliance in every industry.

RAILES, the real-time production analysis, and control system create an ecosystem, connecting machines, shop floor operators and managers to improve operational efficiency.

From production and planning to quality control, and maintenance, among others, RAILES was developed to adapt to the reality of each client, including the specific needs of industries such as the automotive industry, pharmaceutical industry, food industry, plastic, and textile industry.

Quantal, S.A.

www.quantal.pt

Hall 17, Stand A28



Quantal is a company specialized in automotive (series and prototype) and industrial applications, since 1995.

AUTOMATION, MOTION & DRIVES

Portugal offers solutions for digital transformation worldwide for automotive, electronics, and intra-logistics, among other sectors. Automation, Motion & Drives pavilion is one of the topics where Portugal stands out at the Hannover Messe'23 with 4 companies in Halls 5 & 9.

Automation and robotics have become essential in responding to complex production problems and improving companies' business. Faster time to market, reduced risk, increased margins and improved market position are issues that companies embrace today, and that automation and robotics can answer.

Portugal has companies that provide innovative, flexible, integrated, and competitive solutions in response to the needs of the manufacturing industry. These companies can face the challenges of competitiveness and sustainability.

Human capital, talent and the creation of multidisciplinary teams are the formula found by companies to develop their activity. Hardware and software development, systems integration and development, functional and quality testing for electronic devices and robotics, industrial robot cells, fully automated production lines, peripheral and customised equipment, laser cutting systems, general artificial vision systems and deep learning vision systems are the skills, among others, that can be found in Portugal.



BALFLEX Portugal, S.A.

www.balflex.com

Hall 5, Stand G45



Manufacturer of Hydraulic & Industrial High-Pressure Hoses since 1963; Rubber and Thermoplastic hoses; Stainless Steel and Teflon Hoses; High-Pressure Connector Fittings and Adapters; Quick Connect Coupling & Valves; Oil Hydraulic, Water, Petrol Fuels and C N G. Hose Testing & Assembling Machines. Balflex has facilities in Europe, North and South America, the Middle East and China.

BRESIMAR Automação, S.A.

www.bresimar.pt

Hall 9, Stand F21/1



Tekon Electronics is a European brand based in Portugal, specialising in the development and manufacture of innovative wireless sensors technology and a business unit of Bresimar Automação, S.A.

Bresimar Automação began its activity in 1982 focusing on the distribution of equipment and systems for industrial automation. Throughout the years, Bresimar Automação leveraged knowledge by providing high-quality products and automation solutions, representing several valued brands.

Tekon Electronics develops and manufactures wireless solutions for measurement and monitoring applications, focusing on trending topics such as IoT and Industry 4.0. A skilled R&D team and a planned manufacturing process are cornerstones of a full product development strategy.

Robowork, Lda.

www.robowork.pt

Hall 9, Stand E53



ROBOWORK has the concern to satisfy all types of businesses and individuals in the context of Industrial Robotics, especially in the field of robotics training, technical service and differentiating products for application in robots. Headquartered in Aveiro, ROBOWORK has a training centre able to ensure the best environment for its trainees, as well as a technical team with extensive experience in industrial robotics.

WRK, Lda.

www.wrk.pt

Hall 7, Stand A22/3



WRK, Ltd. is dedicated to the design and construction of special machines and equipment for assembly and quality testing of components in car manufacturing sub-sectors.

COMPRESSED AIR & VACUUM

Compressed air and vacuum technology are widely used in the manufacturing and industrial sectors. They play a crucial role in many manufacturing processes, as they power various tools and machines used on the factory floor.

There are in Portugal several companies specialized in developing and manufacturing solutions in response to the needs of the manufacturing industry in the fields of compressed air and gas compressors, vacuum technologies, air handling systems, and air and gas treatment plants.

Compressed Air & Vacuum is one of the topics where Portugal stands out at the Hannover Messe '23, with 1 company in Hall 4.

SYSADVANCE Sistemas de Engenharia, S.A.

www.sysadvance.com

Hall 4, Stand G01



SYSADVANCE develops and manufactures equipment for gas separation and supplies integrated solutions for gases and compressed air, such as Nitrogen Generators, Oxygen Generators, Medical Oxygen Generators, Medical Air and Medical Vacuum Systems, VSA Generators, Biogas, Helium, Hydrogen, SF6 Purification and custom engineering solutions.

With highly qualified technical personnel and a strong R&D culture, SYSADVANCE strives to deliver state-of-the-art technology to its clients in more than 50 countries, in different industries and sectors of activity.

STARTUP AREA

Portugal has a vibrant startup ecosystem with many innovative companies in various sectors, such as technology, tourism, fintech, and renewable energy.

Currently, there are more than 2.000 active startups in Portugal.

The Portuguese startup ecosystem is characterized by strong government support, a skilled talent pool, a thriving tech scene, fintech innovation, a strong sustainability focus, and a growing international presence. Many Portuguese startups have successfully expanded beyond the country's borders, with a presence in several markets, including North America, Europe, Africa, and Latin America.

Startup Area is one of the topics where Portugal stands out at the Hannover Messe'23 with 4 companies in Hall 17.

Glarevision, S.A.

www.glartek.com

Hall 17, Stand A57



Glartek, founded in 2017, is a leader in Augmented Reality (AR) solutions for the industry and its mission is to increase the efficiency and safety of industrial processes.

Glartek's software solutions combine the Connected Worker with Innovative Augmented Reality capabilities to bring visibility, optimization, and reassurance to field operations. Its wide range of customers varies from asset-intensive companies such as EDP and Manufacturing companies, such as Renault.

Infinite Foundry, Lda.

www.infinitefoundry.com

Hall 17, Stand F79



Infinite Foundry is a 3D digital plant platform for improved production efficiency of any industrial sector. 3D digital twin allows industrial users to visualize in 3D and real-time all areas of production using our virtual sensor capability, including areas of difficult access and areas without physical sensors so that the onset of any production problem can be easily determined by virtually zooming to any component of the machine to understand the problem root cause and run a couple of simulations to solve it.

Skillaugment, Lda.

www.kit-ar.com

Hall 17, Stand C55



Founded in 2018, KIT-AR is aimed at eliminating human errors on the manufacturing shopfloor, while increasing productivity. Its unique platform enhances shop floor workers with augmented reality and artificial intelligence tools, so that costs of poor quality are reduced, and sustainability increased.

TWEVO Lda.

www.twevo.net

Hall 17, Stand A63



TWEVO is a start-up with a strong R&D background in electronics, providing high-speed and flexible solutions for Industry 4.0. From Edge-AI processing, encoding for optimised video transmission for production line control, to cable-grade reliable wireless operation for machines and unmanned vehicle applications. The company helps its clients to maximize operational efficiency and reduce implementation costs, through the design and conception of the right electronics for their needs, in an ever more demanding and vast electronics market. Its focus is on FPGA-based and DSP solutions for video, radar and radio applications, including digital and analogue RF hardware design.

Located in southwestern Europe, Portugal is a welcoming and multicultural country with an open economy, where culture and tradition coexist with design, innovation, technology, and R&D.

Its strategic location, at the crossroads between the European, African, and American continents, as well as its status as a European Union and Eurozone member state, make Portugal the ideal partner for doing business.

According to top international rankings, Portugal is one of the safest countries in the world with political and social stability and one of the countries that invests the most in renewable energy sources and policies to combat climate change.

Portuguese excellent infrastructures, telecommunications, and quality of life attract companies and visitors from all over the world.

With almost nine centuries of history, Portugal is an innovative, sophisticated, and forward-looking country where sustainability is a priority and an industry concern.

- Future Hub
Hall 2
- Engineered Parts & Solutions
Hall 3
- Automation, Motion & Drives
Hall 5-9/11-12
- Energy Solutions
Hall 11-13
- Digital Ecosystems
Hall 14-17
- Compressed Air and Vacuum
Hall 4
- Conference Stages
TECH TRANSFER (Hall 2)
INDUSTRIAL TRANSFORMATION (Hall 3)
INDUSTRIE 4.0 (Hall 8)
ENERGY 4.0 (Hall 12)



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Portugal

MAKES SENSE

Talented People.
Creative Solutions.



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