

Presskit DFactory Barcelona

www.dfactorybcn.com

DFactory Barcelona – the factory of the future

DFactory Barcelona is the international benchmark technology ecosystem for Industry 4.0, promoted by the CZFB. This centre aims to generate collaborative synergies by being an open innovation space and an ecosystem based on talent and investment in technology, bringing together large corporate businesses, small and medium enterprises, innovation centres, and technology laboratories. DFactory Barcelona provides:

- An ecosystem to facilitate the **digital transformation of the European industry.**
- **Connects technological companies** that provide **digital solutions** with companies undergoing transformation that seek innovative solutions.
- It brings together cutting-edge technologies such as **robotics, sensors, AI, Blockchain, Cloud Computing, Cybersecurity, 3D Printing, Big Data, Augmented and Virtual Reality.**



Main key figures:

- A **17.000 m2** building over **4 floors** with open, clear, and digital spaces.
- An investment of **30 million euros.**
- 2.000 tonnes of steel.
- Facilities **committed to the 2030 Agenda.**
- **Leed Gold certification** in sustainable and efficient building.
- **WELL Gold certification** for the health and wellbeing of both the workers and the people who visit the building.
- It has an **85% occupancy rate.**
- **35 companies** have been installed, that are providing direct employment to 220 professionals and indirect employment to 650 (figures 2024).

The project

DFactory Barcelona is a centre created to develop, work on, and enhance Industry 4.0.

The prestigious Barcelona-based studio TurullSørensen Arquitectos, along with Torrella Ingeniería i Arquitectura, designed a building inspired by the **industrial tradition of the area**, facilitating the relationship between people and machines as a reflection of the new industry.

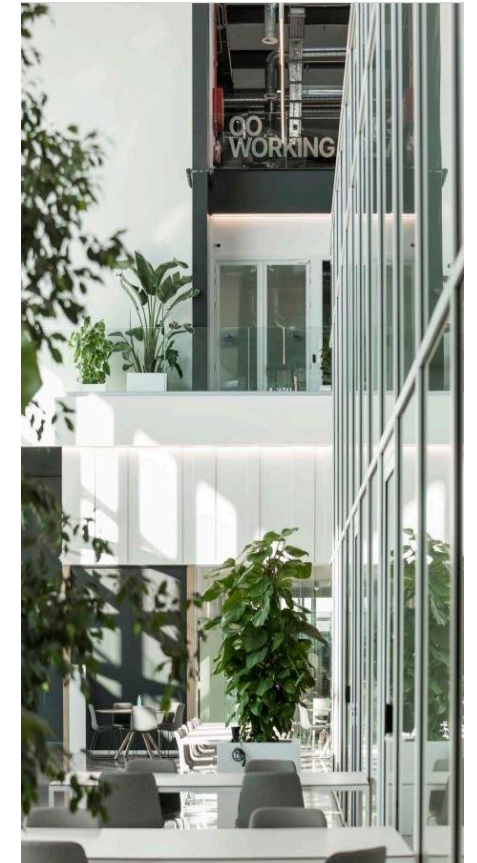
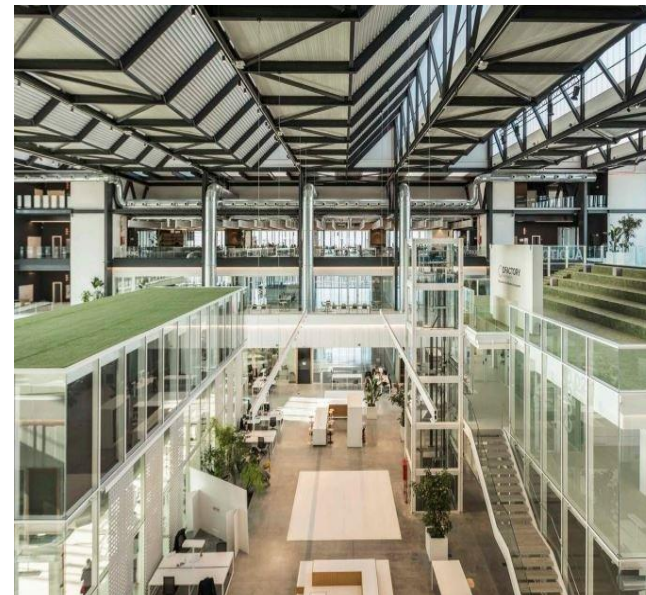
Spaces and construction systems with **innovation and sustainability criteria**. On the different floors, companies are installed around a large central space for production and interaction among people, facilitating the development of knowledge and synergies among its inhabitants. **Green roofs, useful and energy-producing**. Large interior spaces with great flexibility. A space where companies can interact easily.

Details of the project:

- A 17.000m² building, 80m wide by 20m high.
- Ecosystem with **adapted spaces**; from single-person workstations to facilities for teams of 100 workers.
- Sustainability. **Leed Gold certification** thanks to:
 - Re-usable steel structure
 - Roof with photovoltaic panels
 - Façade treatment using the advantages of the climate.
 - South façade with glass that creates selective solar protection according to the sun's inclination, to reduce energy consumption for climate control inside.

TurullSørensen

 **Torrella**
Ingeniería | Arquitectura



2nd phase of DFactory Barcelona

In 2024, we advance with the execution of the second phase of DFactory Barcelona, as a fundamental part of our mission to lead the new economy.

We promote an ecosystem based on **innovation, technology, sustainability, and connectivity**, a hub for attracting talent, investment, business, and economic activity that will positively impact the economy of Barcelona and all its citizens.

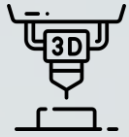
Our vision is for DFactory Barcelona to radiate across the entire industrial area until it turns the Zona Franca of Barcelona into a **District 4.0** for the entire Metropolitan Region of Barcelona and internationally.



Key figures of the 2nd phase of DFactory:

- Investment of **€100M by the CZFB**.
- The second phase of the DFactory expansion is underway, which will add 40.000m² to the existing 17.000m², totalling **60.000 m²**. This expansion is expected to be completed by the **last quarter of 2026**.
- The aim is to promote a technological ecosystem of **100.000 m²**, which we will build in phases according to demand.

Technologies present in DFactory Barcelona



3D Printing



Artificial
Intelligence



Blockchain



Sensorics



Cibersecurity



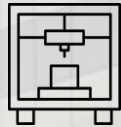
Digital
Twins



I+D+i



Robotics



3D Scanning



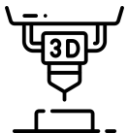
Internet of
Things (IoT)



Augmented/
Virtual Reality



Photonics



3D Printing



I+D+i

Company activity:

ADDiVAL is a company specialized in the **industrial additive manufacture** of metal parts and polymers with fiber reinforcement. They offer design and production solutions using advanced 3D printing technologies, ensuring high quality and resistant products. Its approach ranges from identifying areas for improvement in the value chain to implementing innovative solutions that optimize processes and reduce development times.

Reasons to be present at the DFactory:

The presence at DFactory Barcelona allows ADDiVAL to collaborate with an ecosystem of high-tech companies and advanced laboratories, facilitating joint innovation and the development of projects that reinforce its leadership in the digital manufacturing and industry 4.0 sector.

Key data about the company and its activity:

The team led by Borja has almost 30 years of experience in industrial additive manufacturing.

Pioneering products, solutions and/or projects:

ADDiVAL uses advanced technologies such as:

- **Metal Powder Bed Fusion (MPBF)**, which employs a multi-laser system to melt and fuse metal powder particles layer by layer, achieving complex, high-precision metal components, with surfaces up to 60 HRC hardness.
- **Metal Fused Filament Fabrication (MFFF)** process for functional metal parts
- **Continuous Fiber Reinforcement Polymer (CFF)**, which reinforces polymers with carbon, Kevlar or glass fibers to produce lightweight, high-strength parts ideal for critical structural applications.

Among the main benefits are significant reduction in development and production times of the final part; agility and flexibility during the design process and in manufacturing; and the development of new products and lines of business.



Borja Batlle
General Manager
at Addival

Web page: <https://www.addival.com/>



Blockchain



Artificial
Intelligence



Ester Vilanova
Head of Digital
Solutions

Company's activity:

Amphos 21 is a scientific and technical consultancy that provides innovative and high added value solutions to environmental problems. It brings 30 years of experience in the water sector offering digitisation and artificial intelligence solutions throughout the water cycle.

Reasons to be present at DFactory:

The presence at DFactory is key because of the possibility it offers to collaborate with the rest of the ecosystem present there, both with the companies and with the laboratories. Establish partnerships and promote joint projects based on open innovation.

Key data of the company:

Amphos 21 is part of the RSK International Group, which has more than 100.000 employees and a presence in more than 40 countries. Amphos 21 has offices in Barcelona (Dfactory and city centre), Chile and Peru, with a total of 300 experts. The company works for the environment in general with extensive experience in the water, waste, sustainability and contaminated sites sectors.

Pioneering products, solutions, and/or projects:

They offer consultancy and services for the management of water resources. In this regard, they have digital solutions such as artificial intelligence platforms or specific digital twins for water assets. Among others, they enable the optimisation of the integral water cycle, early warning and prediction of pollutants, management of catchments or well fields, energy savings and anticipation of potential problems. In parallel, they also have a data platform to streamline and optimise decision-making and advanced geographic information systems.

By products, they offer: Digital Twins (Helix), Aqua Learning (machine learning algorithms) and dEMS (for site management and environmental information).

Web Page: <https://www.amphos21.com/>



Raimundo García
CEO of Ariño Duglass

Company's activity:

Ariño Douglass is a company dedicated to the design, manufacturing and distribution of glass, especially on its use within the Architecture and Railway industries. Furthermore, it is always caring for its logistics service and adjusting the company towards the changes requested by the market and their own costumers' necessities and demands.

Reasons to be present at DFactory:

Continuous research and technological development –which allow day-to-day integration of the latest manufacturing methods, providing us with business excellence and continuous improvement– are part of Ariño Duglass' DNA. DFactory Barcelona ecosystem and its importance in terms of innovation and leading edge is the perfect place for locating its headquarters. The Company is betting towards partnership with other companies throughout participating at different research projects along with different entities and institutions.

Key data of the company:

The Company –funded in 1952– has huge experience, which provides it with a state-of-the-art position. In 1995, Ariño Duglass signed a standing collaboration agreement with University of Zaragoza. Next year, it decided stabilising I+D Department with experts and researchers, which represented an advantage in terms of product quality and improvement. After a growth spurt, the company created Ariño Design, a project which supplements Ariño Duglass' state-of-the-art positioning and allowed satisfying different clients' demands. Nowadays, 150 employees are part of the Company.

Pioneering products, solutions, and/or projects:

Its products are focused on Building and Railway industries, at national and international levels. Different trains all over the World are made of their glasses: Auckland's Commuter Train Transport (New Zealand); Hong Kong's Metro Airport Express Line; Utrech's Tram (the Netherlands); Trieste's Regional Train Civity (Italy); as well as Cantabria's FEVE Train or Cadiz's newest tram (Spain).

In relation to Building Industry, their products can also be found at buildings and hotel resorts all over the planet: Hotel Renaissance Barcelona Fira (Spain), University of London's City Law School (UK), Edinburgh International Conference Centre (UK), Hotel Meliá La Défense (Paris, France), Valencia's Science Museum or DFactory Barcelona (Spain), where part of the Company is now located.

About Ariño Design, it stands out in the design of railways, metros and trams, the engineering of carriage interiors and the construction of life-size models for the validation of ergonomics, interior elements, PRM area and volumes.

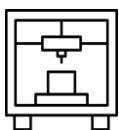
Web Page: <https://www.duglass.com/en/>



Robotics



3D Printing



3D Scanning



**Antonio Sánchez
González**
CEO & Cofounder
in AsorCAD

Company's activity:

AsorCAD is a company specialized in 3D scanning for metrology, design and reverse engineering. Its activity is present in various sectors such as industrial maintenance, the automotive, nautical and aeronautical sector, the orthopedic sector, catering and architecture.

Reasons to be present at DFactory:

AsorCAD understands cooperation as a key factor to be more competitive. Therefore, being present in the DFactory provides them with such collaboration thanks to the synergy that is created between the different companies that are in the building. In fact, they have already carried out projects with companies such as Alisys and Leitat.

Key data of the company:

AsorCAD was born in 2005 as an advanced engineering services company and currently has 12 professionals on staff. Specialising in 3D scanning, reverse engineering and metrology since 2006, they have also been distributing the 3D scanners they work with since then.

Their office is located in Parets del Vallès and they have an office in DFactory Barcelona.

They have 19 models of 3D scanners and software for all types of scans and for all engineering work.

Pioneering products, solutions, and/or projects:

Specialization in 3D services such as 3D scanning, reverse engineering, 3D printing, metrology, 3D CAD/CAM design, and specialized consulting and training. To make the projects they face every day a reality.

Web Page: <https://www.asorcad.es/>



I+D+i



Guy Maurice
SeaEO®



Adriana Kyvik, PhD
SeaTO



Camilla Dore, PhD
SeaIO

Company's activity:

B'ZEOS is a green tech company developing seaweed-based packaging materials to replace conventional plastics. We specialize in creating home-compostable, marine-safe, and renewable alternatives to conventional plastic, by combining biotech and materials innovation with circular economy principles.

Reasons to be present at DFactory:

As a hub for innovation and industrial transformation, DFactory provides a collaborative space where deep tech meets real-world application. B'ZEOS sees this ecosystem as an ideal environment to accelerate the development and scaling of our seaweed-based solutions, build strategic partnerships, and contribute to a shared mission of driving sustainability in packaging.

Key data of the company:

Founded in 2017 and operating between Nyon and Barcelona, B'ZEOS has partners and investors like Faber, ICIG, SOA and Biotope. Our multidisciplinary team works across R&D, material science, and product design to create high-performance packaging alternatives. With several industrial pilots already completed, we're actively working with major global brands to bring our bio-based materials from lab to shelf.

Pioneering products, solutions, and/or projects:

Our core technology is based on the ability to produce at scale plastic-free, seaweed-based pellets that can be transformed into various final compostable products, such as films or trays. Our products are designed for both food and non-food applications. We are leading pilot collaborations with FMCG brands to test real-world integration and are developing proprietary technology to extract maximum value from renewable seaweed sources while minimizing environmental impact.

Web Page: <https://www.bzeos.com/>



Robotics



3D Printing



Artificial
Intelligence



Sensorics



Christian Martinell
Global Communications
Manager in HP

Company's activity:

HP is a technology company from the US, headquartered in Palo Alto, California, that manufactures and markets hardware and software and provides computer-related support services.

Reasons to be present at DFactory:

For HP the possibility of being present at the DFactory means an opportunity to increase relationships with potential partners in the industry, boosts collaborative synergy with other partners within the fields of 3D printing and explores other fields with disruptive technologies such as IoT, robotics, sensor technology, etc.

Key data of the company:

HP has 51.000 employees worldwide and operates in 186 countries. Last year it closed its accounts with a turnover of 63,5 billion euros. It also holds 28.000 patents and has more than 250,000 partners worldwide.

Pioneering products, solutions, and/or projects:

HP, within the field of 3D printing, aims to disrupt certain verticals such as the industry, the health sector or the wellness and sports sector. On the other hand, it wants to strengthen and boost its 3D printing solutions business with a focus on mobility, healthcare, industrial and consumer goods industries.

Thanks to its solutions it achieves better productivity, improves cost ratios, increases the quality of products and services and integrates printing and automation.

Web Page: <https://www.hp.com/>



Robotics



Mario Sánchez
Director & Co-Founder in
Hubmaster



Eduard LLimargas
Director & Co-Founder in
Hubmaster

Company's activity:

HUBMASTER® Storage and Handling **Solutions** is a **manufacturer of warehouse automation solutions using the patented HUBMASTER®** multi-aisle stacker crane technology. The company focuses on the continuous development of products and software, investing in research and adaptation of the latest trends in sensors to improve its technology and offer cutting-edge solutions to its customers.

Reasons to be present at DFactory:

The **DFactory Barcelona** ecosystem provides a unique environment for sharing knowledge in areas such as robotics, AI or blockchain, with a view to obtaining synergies with other companies. HUBMASTER has experience in topics related to manufacturing, logistics, distribution and cold storage, aerospace, automotive, chemical and pharmaceutical products.

Key data of the company:

HUBMASTER® Storage & Handling Solutions has a **multidisciplinary team of engineers with more than 20 years** of experience in the intralogistics sector, offering automation solutions for industrial facilities worldwide. Headquartered in Spain, HUBMASTER® has a global presence with deployments in **Europe, Asia** and the **Americas**, and offers consulting, design, manufacturing, installation and maintenance services to its customers worldwide.

Pioneering products, solutions, and/or projects:

Its products allow you to optimize space and efficiency in the warehouse or factory through automatic storage processes, reduce operating costs and increase productivity. HUBMASTER® technology is presented as an alternative to automated guided trucks (AGV/AMR) and traditional single-aisle stacker cranes. It designs and manufactures the HUBMASTER® System as an integrated **automatic storage system** and through a policy of investments in R+D they adapt the latest innovations in automation to offer a highly differentiated solution.

Web Page: <https://hubmaster-system.com/>



Artificial
Intelligence



Internet of
Things (IoT)



Augmented
Reality



Xavier Rius
CEO in ICIL

Company's activity:

With more than 40 years of experience, **ICIL** focuses on increasing the competitiveness of professionals and companies in the field of Supply Chain, contributing to their promotion with the greatest experts in the sector. It is an institute of postgraduate studies and training, specializing in master's degrees in logistics and Supply Chain. In short, ICIL promotes logistics through training, research, dissemination and networking.

Reasons to be present at DFactory:

ICIL's innovative project, called ICIL Lab, is located in the facilities of the DFactory Barcelona building, a hub dedicated to promoting industry 4.0 and promoting networking for the creation of synergies. It is the new ICIL laboratory through which you can understand the supply chain through Gamification, which seeks to reinforce the assimilation of knowledge and skills through the "learning by doing" methodology, based on developing skills in a real context and "what if" scenarios. The objective of this area of experimentation is to obtain a transversal vision of the Supply Chain by integrating trends in digitalization and new technologies, which the sector must face from the experimental use of different simulation, gamification and know-how transfer tools.

Key data of the company:

Founded in 1980, it is currently based in Barcelona and Madrid and present in much of Latin America (Mexico, Colombia, Peru, Ecuador, Paraguay, Panama and Uruguay). It is part of the European Logistics Association (ELA) and, in addition, the entity leads, among other projects, the **Supply Chain Talent Network** knowledge platform, which is already expanded internationally.

Pioneering products, solutions, and/or projects:

Currently, ICIL Lab has more than 20 technologies with which augmented reality, international trade using blockchain, demand planning, production and warehouse management, technologies such as RFID, picking to voice, 3D printing, among others, can be internalized.

Web Page: <https://icil.org/>



Augmented
Reality



Xavier Riba
Cofounder
& Managing Director
of Catalonia Office



Jon Lesca
Marketing Manager

Company's activity:

Innovae is a leading company at the national level in the development of solutions based on augmented reality and virtual reality applied to industry 4.0. They develop projects and products that allow companies to empower the workforce, enabling them to perform tasks more efficiently.

Reasons to be present at DFactory:

Dfactory Barcelona crystallizes the idea of what industry 4.0 is, of taking advantage of the new opportunities offered by technologies and the capacity for innovation that exists thanks to the partnerships that are created within the ecosystem. In fact, they have already started working with some of the companies present there, such as Picvisa. In addition, they highlight the building's capacity to attract people, because since they have been there, they have already participated in several articles, dissemination tables and events.

Key data of the company:

At Innovae they have a background of 15 years of experience. They began to carry out their first projects in 2008 and in 2014 they reoriented the company to the industrial sector and B2B.

The central services are in San Sebastian, but they have an office in Barcelona and a commercial office in Madrid. There are about 30 workers and they work in a state and international manner. They have developed more than 400 projects in various sectors such as automotive, energy, and food, among others.

In 2022, they received the CIAC award for the Best Innovation Strategy in the Automotive Sector. In addition, they also acquired a company to focus on the educational field.

Pioneering products, solutions, and/or projects:

The company offers tailor-made products and standardized solutions. Its products include the Advanced Maintenance Assistance System (**SAAM**), which optimizes the efficiency of technical operations; the Remote Technical Assistant (**ATR**), the collaborative tool that provides real-time remote technical assistance; the Virtual Learning Solution (**SAVI**), the platform for the training and coaching of professionals through virtual experiences in realistic environments; the Corporate Metaverses (**ERAVIS**), a platform designed to create corporate metaverses; and finally, the multi-user virtual reality Immersive Rooms.

Web Page: <https://www.innovae.com/en/>



Artificial
Intelligence



Internet of
Things (IoT)

Company's activity:

KION Group offers solutions for managing material flow in intralogistics. The solutions developed by the group are marketed through the portfolio of its brands:

- Linde Material Handling, STILL, and Baoli for Industrial Trucks & Services
- Dematic for Supply Chain Solutions

Reasons to be present at DFactory:

It provides us with a prime location for the launch and expansion of our initiative. An open, flexible space designed to promote collaboration and knowledge sharing, placing us in an ecosystem of tech companies with whom we share many interests and potential for collaboration.

Key data of the company:

KION is a leading german multinational in manufacturing products and providing services for the management of material flow in intralogistics, with solutions that include forklifts, automated warehouses, as well as the necessary software systems for supply chain optimisation.

The team located in DFactory Barcelona is part of the Digital business unit of the Industrial Trucks and Services division and is the company's first Digital Hub outside Germany.

Pioneering products, solutions, and/or projects:

We are contributing to the development of the new fleet management platform for intralogistics vehicles to be launched in 2025 and to the incubation of technological innovation projects with Spanish clients.

Web Page: <https://www.kiongroup.com/en/>



Víctor García
Digital Hub Director
KION ITS EMEA



Internet of
Things (IoT)



Augmented
Reality



Cathy Maelfait,
Managing Director of
9altitudes Spain and
CCO of 9altitudes
Engineering

Company activity:

9altitudes is an international end-to-end digital transformation partner that helps companies reach new heights. Experts in solutions for manufacturing, wholesale, distribution, and service companies, we combine world-renowned software from Microsoft, PTC, KeyShot, Esprit, and Tulip with our own solutions to ensure your implementation is a profitable investment for your business in the short, medium, and long term. Our team in Spain is especially focused on engineering and smart manufacturing solutions.

Reasons to be present at the DFactory:

Your presence at DFactory Barcelona is essential to take advantage of the collaboration opportunities offered by this ecosystem. Access to other companies and laboratories enables the creation of **strategic partnerships** and the promotion of joint projects based on open innovation, consolidating your leadership in digital transformation and Industry 4.0.

Key data about the company and its activity:

The company has more than **750 experts** and **30 years of experience**, serving more than **2,500 customers in 9 countries**. Its success stories include the implementation of advanced solutions in IoT, augmented reality, **CAD, PLM, ALM, MES and 3D rendering** to optimize industrial processes and collaboration with leading companies to automate and improve their production systems.

Pioneering products, solutions and/or projects:

The company has successfully implemented technological solutions for various companies. Some notable cases includes: **Stark Future**, which launched a highly efficient electric dirt bike thanks to Creo and Windchill solutions; **HP**, which reduced product development complexity and costs using Windchill PLM; **Textil Olus**, which improved its energy efficiency through the IIoT Thingworx platform; **Sodeca**, which increased its productivity by 10% with Windchill and Creo.

Web Page: <https://9altitudes.com/>



Robotics



Internet of
Things (IoT)



Artificial
Intelligence



Sandra Pérez
Marketing Director
KUKA Iberia

Company's activity:

KUKA is a company that provides automation services. As the world's leading provider of intelligent automation solutions, KUKA offers its customers an all-in-one solution: from robots and cells to fully automated systems for a wide network of industries such as automotive or electronics, general industry, consumer goods, e-commerce/retail, education and healthcare.

Reasons to be present at DFactory:

KUKA promotes and develops Industry 4.0. Thanks to the increasing digitalization of production, robots are the decisive component for the factory of the future, in which humans are at the center. Robotic automation is a mega trend. To benefit from global trends and make the most of its know-how, KUKA makes its innovation and technology available in the DFactory Barcelona ecosystem, focusing on the most powerful markets and special environments and building efficient structures. KUKA supports the coexistence and collaboration of the ecosystem to develop and create new products and design automated projects in line with major trends.

Key data of the company:

Founded in Germany in 1898 by Johann Josef Keller and Jakob Knappich, KUKA has an international presence in more than 60 countries with a turnover of approximately 4 billion euros and around 15,000 employees. The company's headquarters are located in Augsburg.

Pioneering products, solutions, and/or projects:

As a pioneer of Industry 4.0, KUKA offers a wide range of intelligent automation solutions, from the industrial and collaborative robot with the most diverse load capacities and different scopes to complete installation and tailor-made solutions, combining extensive practical experience with digital technologies and mobile platforms.

Web Page: <https://www.kuka.com/en-us>



Robotics



Artificial
Intelligence



Sensorics

Company's activity:

Founded in **1906**, Leitat is one of the leading entities at national and European level in the management of technologies. It has a team of more than **500 professionals**, experts in applied research, technical services and management of technological and innovation initiatives.

Leitat provides social, industrial, economic and sustainable value, offering comprehensive solutions in multiple sectors and areas: development of new materials, eco-sustainable production, occupational health prevention systems, waste revaluation and use of natural resources, interconnectivity and digitalization of industry, green energy and maximization of energy efficiency. Leitat is recognized by the Ministry of Economy, Industry and Competitiveness and is one of the main entities participating in the European Union's Horizon2020 program.

Reasons to be present at DFactory:

Leitat is committed to improving the competitiveness of companies in the DFactory Barcelona ecosystem, providing knowledge and technology for the transition to a digital and sustainable industry. Leitat operates under open innovation models as the technological manager of the laboratories for the development of research and innovation projects, with a vision of transfer and adoption of technology in industry for its impact and positive return on society.

At DFactory Barcelona, Leitat focuses on technology management and industrial R+D, to generate transformative projects in this field, generating technological value to the DFactory Barcelona ecosystem.

Key data of the company:

They have **LAB Robotics**, a space for the development, testing and validation of new robotic skills, processes and functionalities based on enabling technologies such as artificial vision, navigation, force control, light manipulators and sensors. They also have a **3D Printing LAB**, in collaboration with the **IAM3DHUB**, an industrial consortium made up of different companies from different technological fields in the 3D printing sector, created to facilitate and accelerate the adoption of additive manufacturing technologies in the industry, at an international level. They also **have IoT Lab - Connectivity** for the comprehensive development of Internet of Things projects in the data value chain: from sensors, actuators and product integration ("the things"), advanced connectivity and interoperability protocols, to the value of the data (ingestion, automation and data intelligence).

They have the **Photonics and Vision LAB** for the development, testing and validation of advanced optical/photonics and vision systems, enabling the generation of data for sensors/products, digital manufacturing and quality control in production processes. They also manage the **Artificial Intelligence Lab**, in collaboration with **HERMES**, the Artificial Intelligence (AI) Center of Excellence, whose objective is the integration and transversal application of AI in the industrial sector. Through an open innovation model, it encourages the creation of AI solutions, thus allowing research and development to advance in the areas of energy, mobility, health, cybersecurity, natural language processing, earth sciences and data analysis.

Web Page: <https://leitat.org/en/>



Sensorics



Artificial
Intelligence



Mike Hastewell
Fundador de Malena
Engineering &
e-Miles Company

Company's activity:

Malena Engineering is an independent consulting company, specialized in offering engineering, management and software development services, whose main asset is the high technical level and extensive experience of its team in the different areas.

Reasons to be present at DFactory:

The possibility of making partnerships with Leitat, in 3D Printing issues. DFactory Barcelona's ability to connect, collaborate and establish synergies between companies with the aim of being more competitive in the market.

Key data of the company:

Malena Engineering was founded in 2012 by technicians who have a 30-year career in the mobility and transport sector. They currently generate approximately 5/6 million euros in annual turnover for services.

Malena Engineering works for the most important companies in the automotive, mobility, transport, railway and aeronautical sectors. They are present in various delegations in Spain (Barcelona, Pamplona, Valladolid, Martos, Vitoria, etc.), in England and in France. They have more than 120 technical and specialized professionals in their multidisciplinary team.

Pioneering products, solutions, and/or projects:

Creation of the e-Miles Company with an iconic product to revolutionize the future of mobility. It is a single-seater, electric car, manufactured with 3D printing techniques. Agreement with Inter Ikea to test Malena Engineering's e-Miles mobility concept, as part of Inter Ikea's project, "Future of Urban Mobility". This will offer Ikea customers a new and more sustainable way to bring their products home, creating a better everyday life for many people.

Web Page: <https://www.malena-eng.com/home-en/>



3D Printing



Vensan S. Buzuk
CEO in Newsfender

Company's activity:

Newsfender produces customized, eco-friendly, state-of-the-art boat fenders that have been designed specifically for shipyards, boat builders, tender builders, RIB boat builders, military patrol boats, coast guard patrol boats, police boats, and rescue boats. We are currently the first company in the world to have technology for fenders for ships or entire ships with ballistic protection.

Reasons to be present at DFactory:

It is a great step forward in our international expansion. We have expanded the base to be able to supply this product for European countries, and the DFactory is the right place to do so. In addition, this location allows us to reduce the pollution we generated with the transport of our products and materials from America to Europe. We also value the DFactory ecosystem, and we are very satisfied with the facilities offered by the management and the human team that works in it.

Key data of the company:

Nuestro producto es patentado y ofrece unas capacidades tanto de prestaciones como de impacto visual nunca vistas. Básicamente desde 1940 hasta la aparición de Newsfender, las defensas de los barcos no han cambiado en nada. Se ofrecían defensas hechas con materiales altamente contaminantes y en base de petróleo. Por un ejemplo, las defensas de poliuretano son altamente inflamables, cancerígenas tanto en inhalación como en inhalación de humo que producen. En pocos meses que llevamos en el DFactory llevamos cerrados acuerdos con astilleros de España, Grecia, Francia, Dinamarca, entre otros, por valor superior 1,8M euros.

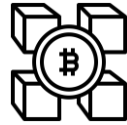
Pioneering products, solutions, and/or projects:

Newsfender dispone de productos customizados para embarcaciones de todo tipo y para los puertos. Actualmente se encuentran en una fase Beta de una defensa balística con protección Level II y IIIa para uso en barcos y están trabajando para obtener el certificado Level IV a mediados de 2025. En breve prevén poder obtener la certificación NATO y están desarrollando un barco para las fuerzas especiales de esloras que van desde los 4,80 metros hasta los 8,50 metros.

Web Page: <https://www.newsfender.com/>



Artificial
Intelligence



Blockchain



Sensorics



Jaume Rey
CEO in Nexiona

Company's activity:

At **Nexiona** they are experts in providing tools to make decisions in real time based on what is happening in the real physical world (IoT), in industrial facilities (Industry 4.0) and in real estate assets (Smart buildings).

Reasons to be present at DFactory:

Being present in the DFactory Barcelona building allows them to collaborate with the various companies present there, creating synergies that allow a win-win and increase their business fabric.

Key data of the company:

It is an SME with more than 10 years of experience and has a team of 26 people, 22 of them on its permanent staff. They have carried out more than 200 projects executed and implemented, and more than 15,000,000 assets managed with their solutions.

They have a presence in Spain (in DFactory Barcelona), in Canada and in Mexico. Its differential value proposition is its specialization in data sovereignty, i.e., the customer is the owner of the platform and pays licenses to Nexiona. This allows the customer to install it wherever they want. In 2022 they tripled the turnover of 2021 and expect it to triple again in 2023. Of all the markets in which they are present, they have excelled considerably in the steel sector.

Pioneering products, solutions, and/or projects:

They have consulting, software, hardware, and implementation services. Regarding IoT solutions, they bidirectionally connect equipment and machines to the Internet to extract data, update it, contextualize it, and make decisions.

Web Page: <https://nexiona.com/>



Robotics



Artificial
Intelligence



Enrique Palomeque

Sales Manager in
Spain, Portugal &
MEA in OnRobot

Company's activity:

OnRobot is dedicated to manufacturing collaborative robotics solutions, gripper solutions for handling parts, robot application tools, and for surface polishing and sanding. In addition, OnRobot designs and manufactures force and torque sensors, vision systems, and other measurements to control robots. On the other hand, OnRobot is focusing its efforts on developing universal software to manipulate robots, eliminating barriers both at the mechanical and programming levels. In other words, OnRobot stands out for offering the most complete possible solution to the user who uses its collaborative robots. With their motto, one system, zero complexity, they perfectly define their goal of universalizing the handling of robots and implementing ease of use and maintenance.

Reasons to be present at DFactory:

The DFactory Barcelona offices offer them visibility and a key point to generate synergies with other players in the robotics industry. In addition, the technology hub, being a leading centre in digitalisation and industry 4.0, also allows them to have their showroom, where they can show interested companies some of the applications that can be made with their hardware and software products.

Key data of the company:

OnRobot is headquartered in Denmark, in the city of Odense (where there is a prominent hub in collaborative and mobile robotics in the city). In addition, it has another prominent headquarters in Budapest, Hungary, where they mainly develop their software technology together with the Odense offices. Finally, it is worth mentioning the offices in Barcelona where all the services for SEAME are offered. OnRobot currently has offices and commercial headquarters on all continents and around 170 employees. The main markets with which it operates in Spain are France, Italy, Portugal, Turkey and Israel.

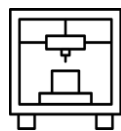
Pioneering products, solutions, and/or projects:

It offers key services in collaborative robotics and universal software development for manipulation and programming. Its solutions cover various applications, such as machine feeding, material handling, surface finishing, quality control and assembly. These technologies make it possible to optimize production, improving efficiency, precision and safety in industrial processes.

Web Page: <https://onrobot.com/en>



3D Printing



3D Scanning



María Torres
Marketing
Specialist



Sergi Bada
Application
Engineer

Company's activity:

SHINING 3D specializes in the research and development of high-precision 3D scanning technologies and 3D printing. Our approach focuses on three key areas: metrology solutions, professional 3D scanning, and digital dental tools.

Reasons to be present at DFactory:

Being part of the DFactory ecosystem not only implies promoting the use of 3D digitization solutions to face the challenges of the industry, but also exploring new sectors and solutions of an increasingly digitized world. DFactory is an incubator for multidisciplinary projects, a source of solutions and questions that inspire the exploration of new horizons. SHINING 3D wants to be part of it, to be present and to make its solutions and knowledge available.

Key data of the company:

Since its founding in 2004 and headquartered in China, SHINING 3D has established itself as a key contributor in 3D digital technology, exerting global influence and committing to spreading the use of digitization technologies. The company has a workforce of more than 1000 employees distributed worldwide, with strategic headquarters in China, Germany, Spain and the United States. With 36% of its workforce dedicated to R+D, its hard work is reflected in obtaining more than 500 patents, in addition to its dedication to the development of knowledge, making it a fundamental agent in the definition of national industrial standards in China.

Pioneering products, solutions, and/or projects:

SHINING 3D's product range ranges from metrology-grade and professional 3D scanners, specialized dental solutions, 3D printing systems and resins, to tools designed for the education sector. Our collaborations with the main providers of specialized 3D software and automation systems allow us to provide comprehensive solutions, adapted to the needs and challenges of each user.

Web Page: <https://www.shining3d.com/>



Sensorics



Internet of
Things (IoT)



Alessandro Caviasca
CEO & Founding
Partner



Jordi Binefa
CTO



Axelle Vergés
Founding
Partner

Company's activity:

SIARQ is a Green Tech company that designs, manufactures and markets solar lighting solutions for public spaces with integrated environmental sensors. SIARQ also actively participates in European R+D projects by contributing its experience in solar design, a new discipline where SIARQ has been a pioneer.

Reasons to be present at DFactory:

SIARQ's solid experience in the public sector and in the comprehensive design of solar products, from conception to market launch, make SIARQ the ideal partner for companies and technology centers looking to integrate solar technology into their products. Its innovative approach and capacity for constant evolution are reflected in an adaptable business model supported by a "Just in Time" production system: guarantee of fast response times to meet customer needs and a growth strategy based on multiplying local, interdependent production units nurtured by the constant innovation of the parent company.

Key data of the company:

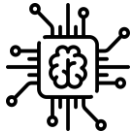
SIARQ began developing and producing innovative solar designs in 2003, in Barcelona. In its beginnings, the company was dedicated to the design of the first solar products, betting on organic aesthetics and multifunctionality, which facilitated their adoption in the urban space. This innovative approach has made it possible to position the brand and associate it with values of creativity, quality and constant innovation. From 2013, the team focused on technological R+D, industrialization and integration of IoT-based solutions, aimed at caring for air quality and environmental health. Today, SIARQ is a benchmark in designer and high-performance solar lighting, with a catalogue of new generation urban solar lighting products installed in Spain, Europe and the Middle East.

Pioneering products, solutions, and/or projects:

SIARQ's flagship product is the SOLAR HUB, a new concept of urban solar lighting with integrated environmental sensors. It is an end-to-end solution that uses IOT technology to capture environmental data from the city and send it to the cloud in real time. The URBAN BRAIN digital platform allows a quick visualization of critical parameters, using specially designed algorithms to generate automated reports. SOLAR HUB integrates paraboloid photovoltaic panels with patented 360° solar technology.

Web Page: <https://siarq.com/>

SIEMENS



Artificial
Intelligence



Internet of
Things (IoT)



Cibersecurity



Digital
Twins



André Jablonski

Head of Business&Account
Development



**Francisco García
de Figueroa**

Responsible Delivery Hub AGVs

Company's activity:

Siemens is a technology giant focused on industry, infrastructure, transport and healthcare. The company, with headquarters in Berlin and Munich, creates purposeful technology that adds real value to customers. By combining the real and digital worlds, Siemens enables its customers to transform their industries and markets, helping to change the day-to-day lives of billions of people.

Reasons to be present at DFactory:

Siemens, through its Digital Industries business, is committed to its presence in DFactory by creating a Digital Experience Center (DEX) with the intention of showcasing the different technological capabilities to help manufacturers in their journey from digital transformation to the production of the future. Working within the DFactory ecosystem makes it easier to co-create with other companies and collaborate even more closely with partners with whom you are already closely associated

Key data of the company:

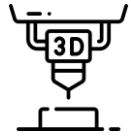
In the fiscal year 2023, which ended on September 30, 2023, the Siemens Group generated revenues of €77.8 billion and a net profit of €8.5 billion. The company employs 320,000 people worldwide and is present in 190 countries.

Pioneering products, solutions, and/or projects:

The company integrates a wide range of technologies into its Siemens Xcelerator portfolio. From energy efficiency tools, to the implementation of the Digital Twin. Siemens is also committed to cutting-edge solutions such as the Industrial Metaverse and Artificial Intelligence, without forgetting the use of the Cloud and Edge Computing for the management of intelligent data. Among other technologies, Siemens will develop the use of AGVs in the DEX for the digitalization of key industries such as automotive, aeronautics, intralogistics and F&B, among others. Spain has been designated by Siemens as one of the key countries to develop this technology.

Web Page: <https://www.siemens.com/global/en-new.html>

Siocast



3D Printing



Ferran Navarro
CEO & cofounder in
Siocast

Company's activity:

Siocast is dedicated to the manufacture and sale of a new plastic injection technology in silicone molds manufactured thanks to 3D printing. They use 3D printing in advanced computer design technologies to be able to create those molds. They teach companies how to use these technologies so that they can go from the original idea to high production in a matter of days.

Reasons to be present at DFactory:

DFactory Barcelona has a space dedicated to the company's R+D and thus be able to develop its end-to-end factory, creating a manufacturing environment with a technology that did not exist for plastic injection in silicone molds. In this way, they can show it to companies that want to adopt their production system, having a place to come, understand it, see all the steps, from the design of the part to the manufacture of them with their production process. In addition, thanks to this ecosystem they seek to improve their services by expanding with new accessories, software, robotics, artificial intelligence and 3D printing, so that their technology has more fields to develop.

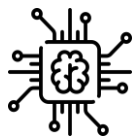
Key data of the company:

Siocast was founded around 10 years ago, at the headquarters in Palau-solità i Plegamans. Since 2022 they decided to open the offices for research development, together with the technical and commercial part, in DFactory Barcelona. There are currently about 10 people on staff. They have an international character, with an export level of 100%. In fact, in 2022 they have founded a subsidiary in the US with the aim of providing a better service to the US market. They are a spinoff of the Coniex group, a company with 40 years of experience in the manufacturing sector of technical silicones, machinery and mechanical post-process equipment.

Pioneering products, solutions, and/or projects:

They are currently working on a toy that carries artificial intelligence and augmented reality. Thanks to its technology, every month these toys will have new accessories, being a modular product that will continue to grow and evolve, both digitally and physically. Although their technology can be applied transversally, they are also involved in sectors such as modeling, packaging, electronic molding, etc.

Web Page: <https://siocast.com/>



Artificial
Intelligence



Verónica Kuchinow
Founder & CEO in
Símbiosy

Company's activity:

Símbiosy is a consultancy specializing in the design and implementation of circular economy and industrial symbiosis strategies. It offers an online synergy platform that MAPEES surplus resources, as a tool for decarbonization and reduction of environmental impacts: it identifies and quantifies industrial and agricultural waste that can potentially be converted into RESOURCES through industrial symbiosis and identifies with which companies to develop SYNERGY.

Reasons to be present at DFactory:

The DFactory is a cutting-edge ecosystem due to its modern, innovative and sustainable facilities that have advanced infrastructure and resource management capabilities. That is why Simbriosity considers it key to join this ecosystem, in order to promote alliances, collaborations and partnerships to seek maximum efficiency in resources, promote sustainability in the area and improve the circular economy.

Key data of the company:

Founded in 2014, the company is headquartered in Poble Nou (Barcelona) and carries out symbiosis projects at Dfactory. In total, the organization has 9 people working and 2 partners-

Pioneering products, solutions, and/or projects:

For the implementation of industrial symbiosis projects, the company has developed the SYNER digital platform. With the help of SYNER, agro-industrial and urban waste that can potentially be converted into resources through IS is identified and quantified, and with whom. With this, SÍMBIOSY can map the resource flows of a given industrial ecosystem thanks to the management and analysis of large volumes of heterogeneous data using mathematical coding algorithms. Simbiosy works for industrial companies, clusters and business associations and public entities identifying new business opportunities from non-valorised resources, connecting different productive sectors and promoting a multi-level and sustainable governance system.

Web Page: <https://simbiosy.com/>



Artificial
intelligence



Blockchain



Santiago Gómez
CEO and founder of
Solport

Company's activity:

Solport is a company dedicated to the development of **cutting-edge technological solutions applied to international trade**. They develop CRM/ERP/BI projects and solutions that allow companies to optimize their processes and resources, both technical and human, reduce their carbon footprint and digitize all their operational processes.

Reasons to be present at DFactory:

Solport is committed to the implementation of the latest technologies in a historically avant-garde business. With its presence at **DFactory**, Solport joins an ecosystem that reinforces its commitment to **Artificial Intelligence, robotics, Blockchain and cybersecurity** applied to international trade. DFactory's strategic location, so close to the port, the airport and the backbone of communications for the **Port of Barcelona and its Hinterland**, allow Solport to be in continuous contact with its customers, airport authorities and the rest of the companies located in the industry 4.0 ecosystem that DFactory represents.

Key data of the company:

With **20 years of experience**, Solport has implemented its solutions in more than 15 countries, 5 continents and has more than a hundred customers. It provides solutions translated into 5 languages, prepared for **all modes of transport (Sea, Air, Land, Rail and Intermodal)**. It works with a robust network of Partners that allows them to tackle integration projects incorporating sensors, IOT, Cybersecurity, Blockchain, etc., implementing cutting-edge automation projects.

Pioneering products, solutions, and/or projects:

Solport has a wide range of vertical solutions for the international trade business as well as integrations with PCS / CCS (Port/Cargo Community System). Its solutions include:

- **SPOperations:** CRM, ERP and BI specialized for Shipping Agents, Consignees
- **SPForwarding** CRM, ERP and BI specialized for Freight Forwarders, Freight Forwarders
- **SPTruck:** CRM, ERP, BI and APP specialized for logistics operators, transport companies
- **SPDepot:** CRM, ERP, BI and APP specialized for Port Terminals and Container Warehouses
- **SPCarrier:** CRM, ERP, BI and specialized APP for Shipowners and Maritime Operators

Web Page: <https://www.solport.net/es/>



3D Printing



Ronen Zioni
CEO & Fundador
Excelencia-Tech

Company's activity:

Stratasys is leading the global shift to additive manufacturing with innovative 3D printing solutions for industries including aerospace, automotive, consumer products, and healthcare. Stratasys solutions – with smart, connected 3D printers, polymeric materials, a software ecosystem, and made-to-demand parts – deliver competitive advantages at every link in the product value chain. The world's leading organizations turn to Stratasys to transform their product design, bring agility to production and supply chains, and improve customer service.

Reasons to be present at DFactory:

Stratasys can show in its showroom the 5 3D printing technologies it owns. It is the only manufacturer with more than 30 years of experience in additive manufacturing. In an environment such as DFactory Barcelona, it claims to be at the forefront of the sector and to be a world reference.

Key data of the company:

Stratasys has more than 30 years of leadership in the global additive manufacturing market with the largest installed base of any manufacturer globally. Today, it is made up of more than 2,000 employees, who have provided more than 1,700 patents. It has \$460M in cash and equivalents, with a portfolio of products along the entire value chain from prototyping to mass production.

In addition, it has an ecosystem of SW, Materials and services that ensure a 360° solution, and a network of more than 200 resellers worldwide that ensure coverage almost all over the world.

Pioneering products, solutions, and/or projects:

Wide portfolio of products and solutions aimed at almost all sectors. Solutions in the Medical sector are highlighted with the J850™ Digital Anatomy™ printer Proven anatomical realism. Materials and software combine to create 3D clinical application models of human anatomy that mimic bone and tissue with realism that can be seen and felt.

Web Page: <http://www.excelencia-tech.com/>



Artificial
Intelligence



Augmented/
Virtual Reality



Digital
Twins



Héctor Zapata
CEO & Founder in
Tetravol

Company's activity:

Tetravol is a Virtual and Augmented Reality development studio based in Barcelona. We create immersive and interactive digital experiences, providing complete solutions ranging from concept and design to development and support. We use advanced technologies such as Virtual, Augmented and Mixed Reality, Web3, the Metaverse, Photogrammetry and 3D Modeling.

Reasons to be present at DFactory:

Our focus on cutting-edge technologies, such as Virtual and Augmented Reality, enables companies to create immersive and engaging experiences that transform the way they present products, train employees, and connect with their audience. Tetravol's ability to integrate these technologies into business communication strategies puts our solutions at the forefront of digital innovation.

Key data of the company:

Founded in 1998 in Barcelona, Tetravol has developed hundreds of projects globally, in multiple sectors such as education, training, e-commerce, experiential marketing, museums and theme parks. Our multidisciplinary team is experts in immersive technologies, guaranteeing personalized and high-quality solutions for each client.

Pioneering products, solutions, and/or projects:

Tetravol is a pioneer company in the development of Augmented Reality and Holograms, interactive product configurators, Virtual Reality simulators for training and training, Photogrammetry and Digital Twins, Web3 applications with Extended Reality, Gamification and Metaverse Development.

Web Page: <https://www.tetravol.com/>



Robotics



Artificial
Intelligence

Company's activity:

Universal Robots is a leading manufacturer of collaborative robots (cobots) operating in a wide variety of sectors, including education. The company's mission is to democratize automation, making it accessible to all industrial sectors anywhere in the world. To achieve this, the company offers an easy-to-use platform backed by its intuitive, globally recognized PolyScope software with comprehensive services and the largest cobot ecosystem on the market. This ecosystem has a global network of more than 1,200 companies and has generated innovation and diversity for customers, providing a wide range of kits and components to suit any application.

Reasons to be present at DFactory:

Our presence at DFactory Barcelona reinforces our commitment to innovation and collaboration with key companies in the sector, many of which are already part of the UR ecosystem.

Key data of the company:

The company was founded in 2005 and is headquartered in the Danish city of Odense. Its president is Kim Palsvén, and the company has approximately 1,000 workers spread over more than 30 cities around the world. Universal Robots had a turnover of 304 M USD in 2023. Since its inception, it has already sold more than 90,000 cobots in various industrial sectors such as metallurgy and machining; electronics and technology; automotive and subcontractors; furniture and equipment; plastics and polymers; medicine and cosmetics; food and beverage, as well as solutions for the education and science sector.



Jordi Pelegrí
Country Manager
Spain & Portugal
Universal Robots

Pioneering products, solutions, and/or projects:

- UR's e-Series includes cobots with different payloads and ranges to suit the work of highly variable industrial applications. These include the UR3e, UR5e, UR10e, UR16e, UR20 and UR30.
- UR+ Ecosystem: Offers more than 500 innovative products, including software, accessories, and application kits that integrate seamlessly with cobots.
- UR Academy: Universal Robots certified training program. It provides training through free online courses and face-to-face training, helping operators learn how to program cobots according to business needs.
- Universal Robots Educational Program: It is designed to teach robotics to students in schools, colleges, and universities, using advanced training resources.
- UR Service Offerings: Universal Robots offers three levels of service that support customers in achieving their goals faster and improving the performance of their robotic solutions.

Web Page: <https://www.universal-robots.com/>



Artificial
Intelligence



Jordi Ferrer
CEO & Founder of
VDM Health

Company's activity:

VDMHealth develops AI-driven solutions that transform healthcare through advanced medical imaging, conversational chatbots, and decision support tools. Using computer vision, Large Language Models (LLM), and synthetic imaging, we turn mobile devices into real-time diagnostic imaging laboratories to provide personalised care. Founded in Barcelona, we lead innovation in sustainable digital health.

Reasons to be present at DFactory:

Being at DFactory Barcelona is a great opportunity due to the technologies of the companies present. Through the research programmes developed by some of them, such as Leitat, they can enhance their algorithms' responses and address new technological uses. DFactory Barcelona is an ideal space to interact between companies and develop joint innovations.

Key data of the company:

The company began its activity in 2017 and has a seven-year track record, providing services to the Community of Madrid, Valencia, and La Rioja, where it serves approximately 12.4 million citizens. In addition, in 2022 it participated in a programme funded by the FEDER Funds and the Ministry of Industry in the Canary Islands and Valencia, aimed at developing new applications of artificial intelligence in the health systems of these communities. The significant ecosystem of DFactory Barcelona has become its main headquarters.

We aspire for our software to be implemented in a new generation of smart home devices, with the aim of improving the health and well-being of users, providing immediate real-time assistance, preventive measures, and personalised recommendations for healthy habits.

Pioneering products, solutions, and/or projects:

VDMHealth's portfolio offers innovative AI-driven solutions in various areas of health, including Telemedicine for diagnostics and chatbot-assisted consultations and medical imaging, Dermaesthetic with hyperspectral scanning for skin care, Dental for advanced oral health analysis and treatment, and Pharma for the personalised prescription and management of high-precision medications, among others.

These technologies transform healthcare, making it more efficient, accessible, and personalised.

Web Page: <https://vdmhealth.com/>



3D Printing



Yonatan Zioni
Sales and Marketing
Manager in Windforce

Company's activity:

Windforce 3D is a company dedicated to bringing its customers' design concepts and ideas to life through a powerful network of 3D printing and advanced manufacturing service providers.

Reasons to be present at DFactory:

A practical example at DFactory Barcelona is the alliance between Picvisa, Windforce and Leitat in the development of an innovative solution. They have jointly developed a mock-up of Picvisa's Ecopick machine so that they can display a replica of their products in a novel way at IFAT Worldwide in Munich.

Key data of the company:

They get their goals using additive manufacturing and 3D printers at their disposal. In addition, they offer a 3D scanning service, reverse engineering for mold making, and 3D part design.

Thanks to their network of partners and collaborators, they can provide you with access to a wide range of technologies from Stratasys, Massivit, metal printing and more. This allows them to offer their customers an end-to-end on-demand parts and consulting service.

Pioneering products, solutions, and/or projects:

3D printing service of industrial parts, redesign of 3D parts, 3D scanning, reverse engineering and consulting of additive manufacturing projects.

Web Page: <https://windforce.es/>



Sensorics

Company's activity:

Witeklab develops radio sensor technology solutions in the field of construction and structural health monitoring (SHM). The company itself ideas, develops and puts on the market its products, inspired by the Internet of Things (IoT), industry 4.0 and smart cities. Witeklab solutions explore the potential of short, medium and long-range radio communications, combined with advanced sensors and mobile device connectivity.

Reasons to be present at DFactory:

For Witeklab, this ecosystem has many advantages, such as the possibility of meeting and contacting innovative companies that need its technology, and vice versa. In addition, the fact that it is managed by the CZFB gives DFactory Barcelona a great potential for knowledge and attracting talent from industry 4.0.

Key data of the company:

Witeklab was born 7 years ago in Terrassa. There, they have their own sensor laboratory to develop and study innovative solutions. It is currently made up of 8 permanent workers plus external collaborators, from agreements with different university centres, such as the UAB, the UPC, the UPV or research centres such as the Eduardo Torroja Institute of the CSIC. After design and research, their products were launched on the market three years ago.



Manel Torrentallé
CEO & Cofounder in
Witeklab

Pioneering products, solutions, and/or projects:

- CORROCHIP is an innovative system for the detection and evaluation, through an algorithm, of corrosion processes in steel embedded in concrete.
- CORROCHIP Cover, can detect the advance of corrosion through concrete before it reaches the reinforcement.
- ROCKCHIP is an autonomous telemetry system that detects changes in slope protection systems and provides automated data on the condition of the monitored element, its integrity and the evolution of the stresses to which it is subjected, being basic on roads and train tracks.
- TRENCHIP is a comprehensive solution that locates all hidden installations (walls, walls or trenches). In addition, it facilitates the management of underground assets through a cloud platform, with a single tool. This technology was the winner in 2020 of the Galileo Masters Catalonia Challenge.
- MONSEC® allows you to remotely monitor, with wireless sensors, the setting of concrete in construction projects and offers accurate, real-time information on the strength and maturity of concrete during the setting process.

Web Page: <https://www.witeklab.com/en/>



Sensorics



Artificial
Intelligence

Company's activity:

ZentinelMDS markets solutions for industrial observability that make it easier for companies to know the status of their machines and production processes. Industrial Observability is the ability to interpret the operation of machinery by analyzing its external signals, without the need to interact with control systems.

Reasons to be present at DFactory:

Being part of the DFactory Barcelona ecosystem allows ZentinelMDS to establish collaborations with other industrial technology companies and operate in an ideal environment to promote the solutions to customers and collaborators. Due to our international trajectory, in few places have we seen an environment so focused on digitalization with high-level resources, both human and technical.



Jordi Cruz
Director & Cofounder
in Zentinel



Miquel Sanchis
CTO & Cofounder in
Zentinel

Key data of the company:

Founded in 2022, ZentinelMDS has decades of experience from its founding partners in the development and commercialization of industrial automation and connectivity solutions. ZentinelMDS was created with the aim of simplifying access to the status data of their machines for production and maintenance managers, with highly scalable solutions within reach of any budget.

Pioneering products, solutions, and/or projects:

ZentinelMDS develops tailor-made solutions based on its Obsrv! which combines open technologies such as Edge Computing, Single Pair Ethernet, MQTT and SQL. The solutions Obsrv! They are designed to be easily installed and managed by users without the need to purchase tools or software licenses. ZentinelMDS is a Value Added Reseller of Perinet GmbH and iNDTact GmbH, companies that commercialize technologies for the integration of machine signals with information management systems.

Web Page: <https://www.zentinelmds.com/en>

A photograph of a modern glass building with a red tint overlay. The building has multiple floors with large glass windows and a dark frame. The sky is a solid red color.

Contact:

Departament of Communications Consorci Zona Franca de Barcelona:

Lluís López
Communications Director
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www.dfactorybcn.com



ZF | CONSORCI
barcelona
ZONA FRANCA