

The background features a complex network diagram with various nodes and blocks. Nodes are labeled 'NODE\_01', 'NODE\_03', 'NODE\_21', and 'NODE\_22'. Blocks are labeled 'BLOCK\_02', 'BLOCK\_04', 'BLOCK\_01', and 'BLOCK\_041'. The diagram is overlaid on a grid pattern with a color gradient from blue on the left to red on the right.

**ZF** | CONSORCI  
**barcelona**  
ZONA FRANCA

**D-FACTORY  
PRESS KIT**







## DFactory Introduction – The factory of the future

DFactory Barcelona is the leading international technology ecosystem. This building seeks to generate collaborative synergies, a space for open innovation and an ecosystem based on talent and investment in technology by bringing together large business corporations, start-ups, innovation centres and laboratories. The DFactory provides:

- ✓ An ecosystem to support the **digital transformation of the European industry**.
- ✓ **Brings together technological companies** that offer **digital solutions** with companies in the process of transformation that are looking for innovative solutions.
- ✓ Gathers cutting-edge technologies such as **robotics, sensorics, Artificial Intelligence, cybersecurity, 3D printing or advanced manufacturing**.

### Key data

- **17,000 m<sup>2</sup>** building with **4 floors** of open, diaphanous and digital spaces.
- 30 million euro investment.
- 2,000 tonnes of steel.
- Facilities **committed to the 2030 Agenda**.
- **Leed Gold Certification** in sustainable and efficient building.
- It already has **80% occupancy**.
- **30 companies** have settled in and around **500 people** are currently working.
- The second phase is planned to reach **72,500 m<sup>2</sup>**. A total of **1,500 people** are expected to be employed directly and **5,000** indirectly.



# DFactory Barcelona Building Project

DFACTORY BARCELONA is a space created to **develop, work and promote industry 4.0**. The CZFB promotes the creation of an ecosystem where the most innovative technology is available with the support of the best talent to develop new ideas.

The prestigious Barcelona studio **TurullSørensen Arquitectos**, along with **PGI-Torrella**, designed a building inspired by the industrial tradition of the city, which **facilitates the relationship between people and machines** as a reflection of the new industry..

Spaces and constructions systems with a focus on **innovation and sustainability**. The companies are located in the different floor, around **a large central space** for production and people relations, facilitating the development of knowledge and synergies between its inhabitants.

Green, useful and energy-producing roofs. Large and flexible interior spaces.

A space where companies can easily interact with each other.



- > Building of **17,000m<sup>2</sup>**, 80m wide by 20m high.
- > Ecosystem with **adapted spaces**; from one-person workstations to facilities for teams of 100 workers.
- > **Sustainability. Leed Gold Certification** thanks to:
  - > Reusable **steel** structure
  - > Roof with **photovoltaic panels**
  - > Façade treatment using climate benefits. South façade with glass that creates **selective solar protection** according to the inclination of the sun, to reduce energy indoor climate consumption.



# TECHNOLOGIES



Sensorics



Artificial  
Intelligence



Blockchain



3D Printing



Robotics

DFACTORY



**Jorgina Díaz**

**Head of Business  
Development**



**Ana Lis Fernández**

**Digital Marketing and  
Communications Manager**

## What is their activity?

**Alisyys** boosts the digitalisation of organisations through technological solutions that simplify communication and operational processes, reduce costs, optimise resources and improve business results.

It specialises in cloud solutions, artificial intelligence, blockchain y robotics.

## What are the highlights of their presence at the DFactory?

The most **innovative area is robotics**, which in fact is carried out in the DFactory building.

## Key data on the company and their professional activity

With presence in Spain, they **have more than 20 years of experience and around 150 employees**.

Their offices are located in Madrid, Gijón, Barcelona and Bogotá.

As for their activity in robotics, the company is a global pioneer in the development of a cloud platform for the management, teleoperation and analysis of robot fleets. Their platform simplifies the actual deployment of these devices and their integration into the processes of different industries.

Alisyys is partner of some of the world's leading manufacturers of social and service robots such as Boston Dynamics, Unitree, Furhat or Deep Robotics, among others.

In 2022, they recibed the Cepyme Award for Employment Creation. In fact, they have experienced great growth in the last 3 years.

## Pioneering products, solutions and/or projects:

The company offers **Cloud Solutions**, optimises communications, improves satisfaction and reduces IT costs through customer care, marketing and sales solutions in the cloud. It also offers **virtual Agents/AI**, reducing costs by up to 30% and improving customer service by automating conversations with AI and virtual agents. The **digital Certifications/Blockchain** increases the transparency of transactions and enhances trust through digital certification. Finally, their **robotics** service creates a unique and emotional user experience and optimises processes in different industries.



## What is their 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.



## What are the highlights of their presence at the DFactory?

For them, 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 on the company and their professional activity

**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).



**Ester Vilanova**

**Head of Digital Solutions**





Raimundo García

CEO

## What is their 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.

## What are the highlights of their presence at the 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 on the company and their professional activity

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; Utrecht'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.





**Antonio Sánchez  
González**

**CEO / Founding Member  
of AsorCAD**



### What is their 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.



### What are the highlights of their presence at the 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 on the company and their professional activity

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.





**María del Carmen Molina**

**Process Automation Manager**



**Maiol Navarro**

**Senior Information Technology  
Technician  
Digital Operations Center**



### What is their activity?

**Dow** combines chemistry with biology and physics to create innovative products that drive breakthroughs in society. Its goal is to be the most innovative, customer-focused, inclusive and sustainable materials science company in the world. In addition, the company has adopted Industry 4.0, robotics and IoT as part of its operations and production strategy.



### What are the highlights of their presence at the DFactory?

We would like to highlight the Ecosystem that Dfactory offers, where you can **share needs and collaborate among the many companies present to find solutions in a more innovative and immediate way**. The company that introduced us to Dfactory and with which we currently collaborate the most is Leitat.



### Key data on the company and their professional activity

Dow **operates 104 production sites in 31 countries** and **generates about 37.500 jobs**, with sales of \$57 billion globally. The company has 126 years of experience and has been present in Spain since 1960.

With sales of 2.189 million euros in 2022, it has around 758 employees. Its Headquarters and Commercial Office are in Madrid and its centers are in Ribaforada and Tarragona. They are leaders in innovation and have two R+D centers located in Tarragona, to which 10% of their workforce are dedicated.



### Pioneering products, solutions and/or projects:

They **strategically support their customers in the development of low- and high-density polyethylene resins**, in the research and development of technologies for plastic films, industrial solutions or polyurethane systems, among other technologies and applications.



**Aleix Poch**

**Digital Solutions Manager**



### What is their activity?

Girbau designs and provides complete, sustainable and innovative laundry solutions. They share their know-how in each sector, study each case and customise the laundry to the real needs of each client.



### What are the highlights of their presence at the DFactory?

For Girbau, being present at DFactory makes it easier to work in an **environment that allows them to apply digital transformation** to their business model, as well as new technologies applied to Industry 4.0.

At DFactory, they are mainly working on new business models supported by new technologies such as their IoT platform that allows remote control and monitoring of their equipment.

In the DFactory ecosystem, they have explored various ways of collaboration with companies such as Leitat.



### Key data on the company and their professional activity

They are located in **Vic** and have more than **60 years of experience**.

They have approximately **850 employees** internationally and **16 subsidiaries** around the world, including Europe, North America, South America and Australia.

They sell their products in more than **100 countries**. In terms of manufacturing, they have **4 factories in Vic** and **1 in France**, as well as **1 in China**, whose production is exclusively for the country.



### Pioneering products, solutions and/or projects:

With a commitment to sustainability and innovation, Girbau laundry equipment is designed to withstand constant use and offer the best in performance, production and efficiency. Examples of this equipment are washing machines, dryers, industrial ironers and automatic feeders.

They also offer a wide range of services as diverse as the laundry itself: virtual reality for you to walk through your future laundry; a project manager for you to have a single, easy and agile interlocution and financing, among others.





## What is your 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.**



## What are the highlights of their presence at the 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 on the company and their professional activity

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.**



**Christian Martinell**

**Global Communications  
Manager**



**Mario Sánchez**

**Director & Co-Founder**



**Eduard Llimargas**

**Director & Co-Founder**



### What is your activity?

**HUBMASTER Storage and Handling Solutions** is a manufacturer of warehouse automation solutions using the patented HUBMASTER<sup>®</sup> 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.



### What are the highlights of your presence at the DFactory?

The DFactory Barcelona ecosystem provides a **unique environment** to share knowledge in areas such as robotics, AI or blockchain, with a view to obtaining synergies with other companies. HUBMASTER has expertise in manufacturing, logistics, refrigeration distribution and storage, aerospace, automotive, chemicals and pharmaceuticals.



### Key data on the company and their professional activity:

HUBMASTER<sup>®</sup> 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 around the world. Headquartered in Spain, HUBMASTER<sup>®</sup> has a global presence with deployments in **Europe, Asia and the Americas**, and provides consulting, design, manufacturing, installation and maintenance services to its customers worldwide.



### Pioneering products, solutions and/or projects:

Its products make it possible to optimize space and efficiency in the warehouse or factory through automatic storage processes, reduce operating costs and increase productivity. HUBMASTER<sup>®</sup> technology is presented as an alternative to automated guided trucks (AGVs/AMRs) and traditional single-aisle stacker cranes.

It designs and manufactures the HUBMASTER<sup>®</sup> System as an integrated automatic storage system and, through a policy of investments in R+D, adapts the latest innovations in automation to offer a highly differentiated solution.



**Xavier Rius**

**CEO in ICIL**



### What is your 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 its 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.



### What are the highlights of your presence at the 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 ICIL's new laboratory through which you will be able to 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 through the experimental use of different simulation, gamification and know-how transfer tools.



### Key data on the company and their professional activity:

Founded in 1980, currently based in Barcelona and Madrid and also present in a large part 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 knowledge platform **Supply Chain Talent Network**, which is already expanded internationally.



### Pioneering products, solutions and/or projects:

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





**Xavir Riba**

**Co-founder and  
Managing Director of  
the Catalian Office**



**Jon Lesca**

**Marketing Manager**

 **What is their activity?**

**Innovae** is a leading company at a 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 their workforce by making possible to perform tasks more efficiently.

 **What are the highlights of their presence at the DFactory?**

The **DFactory makes a reality** the idea of what **Industry 4.0** is, of taking advantage of the new opportunities offered by the new technologies and the capacity for innovation that exists thanks to the **partnerships** created within the ecosystem. In fact, they have already started working with some of the companies presente there, such as Picvisa.

In addition, they highlight the **capacity of attraction** of the building, as since they have been there, they have already participated in several articles, roundtables and events.

 **Key data on the company and their professional activity**

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

Their central services are located in **San Sebastián**, but it has an office in **Barcelona** and a sales office in **Madrid**.

They have around **30 employees** and work **nationally** and **internationally**. They have developed **more than 400 projects** en various sectors such as automotive, energy, food, among others.

This year they have received the **CIAC award** to the **Best Innovation Strategy in the Automative Sector**. In addition, they have also adquired a company to focus on education.

 **Pioneering products, solutions and/or projects:**

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



Diego Galetti

Co-Founder & CMO

## What is their activity?

**IMHOIT** develops IoT security, certification and traceability. Recently, they have inaugurated their new Inside Earth division for remote Earth diagnostics using nuclear magnetic resonance. In 2023 they will create their new Logistics division.

## What are the highlights of their presence at the DFactory?

Their headquarters are located in the most important Innovation Hub in Spain, and one of the best in Europe: DFactory. A space that brings together the most innovative companies in Industry 4.0 with cutting-edge technological projects in robotics, 3D printing, AI, Blockchain, IoT and others.

## Key data on the company and their professional activity

IMHOIT is the Catalan R&D&I technology company that complements the operations of Cloudspace Technology, an IT consulting, software, data and cloud computing company with presence in Argentina, Chile, Peru and the United States, both co-founded by Diego Galetti and Julio Botto, both citizens of Barcelona.

## Pioneering products, solutions and/or projects:

**IMHOIT** has developed a proprietary **Traceability Platform**, based on **IoT** with data certification, **SDS** (Secure Data Server) and their transmission security layer protocol for IoT networks.

**INSIDE EARTH** for the projects "Remote Earth Diagnosis by Nuclear Magnetic Resonance for prospecting and exploration of hydrocarbons, solid and liquid minerals and water", **traceability** of food products, **securisation** projects, **blockchain** and **data certification** with innovative prototypes.

They have won a European competition, for which they provide **traceability** of the transport process of disused batteries and their treatment, certifying various actions they carry out such as the transport process, gas monitoring and out-of-range vibration control.

Further down the processing flow, they certify input and output process data, all supported by blockchain as an immutability and non-repudiation registration method.



Sandra Pérez

Marketing  
Director KUKA  
Iberia

## What is their 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 – 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.

## What are the highlights of their presence at the DFactory?

KUKA drives the promotion and development of Industry 4.0. Thanks to the increasing digitalization of production, robots are the decisive component for the factory of the future, in which the human being occupies the central position. Robotic automation is a mega trend. To benefit from global trends and fully exploit 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 ecosystem coexistence and collaboration to develop and create new products and design automated projects in line with major trends.**

## Key data on the company and their professional activity

Founded in Germany in 1898 by Johann Josef Keller and Jakob Knappich, **KUKA has an international presence in more than 60 countries** with a volume of sales of approximately 4 thousand million euros and with approximately of 15,000 workers. The main part of the company is in Augsburg.

## Pioneering products, solutions and/or projects:

As a pioneer of Industry 4.0, KUKA offers a host 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.





## What is their activity? And key data on the company



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

Leitat adds social, industrial, economical 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 digitisation of industry, green energy and maximisation of energy efficiency. Leitat is recognised by the Ministry of Economy, Industry and Competitiveness and is one of the main entities participating in the Horizon2020 programme of the European Union.



## What are the highlights of their presence at the DFactory?

Leitat is committed **to improve the competitiveness** of the companies in the DFactory 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 **technology transfer and adoption** in the industry for its impact and positive return on society.

In DFactory Barcelona, Leitat focuses on the **management of technology and industrial R&D**, to generate transformative projects in this area, generating technological value to the DFactory ecosystem.



## Pioneering products, solutions and/or projects:

They have a **Robotics LAB**, 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 formed by different companies from different technological fields of the 3D printing sector, created to facilitate and accelerate the adoption of additive manufacturing technologies in industry, at an international level. They also have the **IoT Lab - Connectivity** for the integral development of Internet of Things projects in the data value chain: from sensor technology, actuators and product integration ("the things"), advanced connectivity and interoperability protocols, to the value of the data (data ingestion, automation and 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) Centre of Excellence, whose objective is the integration and transversal application of AI in the industrial sector. Through an open innovation model, it fosters the creation of AI solutions to advance research and development in the areas of energy, mobility, health, cybersecurity, natural language processing, earth sciences and data analysis.



**Mike Hastewell**

**Founder of  
Malena  
Engineering and  
e-Miles Company**



## What is their activity?

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



## What are the highlights of their presence at the DFactory?

The possibility of partnerships with Leitat, on 3D printing issues. The DFactory's ability to connect, collaborate and establish synergies between companies in order to be more competitive in the market.



## Key data on the company and their professional activity

Malena Engineering was **founded in 2012** by technicians with **30 years of experience** in the mobility and transport sector. They currently generate approximately 5/6 million euros in annual turnover from 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 **France**. They have more than **120 technical and specialised professionals** in their multidisciplinary team.



## Pioneering products, solutions and/or projects:

**Creation of the e-Miles Company** with an iconic product to revolutionise the future of mobility. It is a single-seater, electric car, manufactured using 3D Printing techniques.

**New agreement with Inter Ikea** to test the Malena Engineering's e-Miles mobility concept, as part of Inter Ikea's "Future of Urban Mobility" project. This will offer Ikea customers a new and more sustainable way to bring their products home, creating a better everyday life for many people.





## What is their activity?



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



## What are the highlights of their presence at the DFactory?

Being present at the DFactory building allows them to collaborate with various companies present there, create synergies that enable a win-win situation and increase their business fabric.



## Key data on the company and their professional activity

They are an SME with more than **10 years of experience** and have a team of **26 people**, 22 of whom are permanent staff. They have executed and implemented more than **200 projects** and have managed more than **15,000,000 assets** with their solutions.

They are present in Spain (in the **DFactory Barcelona**), **Canada** and **Mexico**.

Their differential value proposition is their specialisation in **data sovereignty**, i.e. the customer is the owner of the platform and pays licences to Nexiona. This allows the customer to install it wherever they want.

In 2022 they **tripled the 2021 turnover** and expect it to triple 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 consultancy, software, hardware and implementation services.

Regarding IoT solutions, they bi-directionally connect equipments and machines to the Internet to extract data, update it, contextualise it and make decisions.



**Jaume Rey**

**Managing  
Director of  
Nexiona**

## What is their activity?

**NTT DATA** is a multinational company specialised in technology consulting services, accompanying its clients in their digital development through a wide range of strategic consulting and Advising, cutting-edge technologies, applications, infrastructure, IT service modernisation and BPOs.

## What are the highlights of their presence at the DFactory?

For them, their 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.**

## Key data on the company and their professional activity

**Headquartered in Tokyo**, they have more than **140,000 professionals** and **operate in more than 50 countries**. Specifically, in Spain they have offices **in 14 cities, including Barcelona, Madrid, Alicante, Asturias and Seville, among others.**

As a fact to highlight, they are a **company that integrates technological solutions** with the aim of making their customers' business and industrial processes more efficient.

## Pioneering products, solutions and/or projects:

They offer **consulting and services for application transformation**; they have **process automation** services and solutions to improve companies' operating models; business process outsourcing (BPO) services; **business and technology consulting**; they facilitate **cloud and IT infrastructures**, making the most of them; they also have **CX & Design consulting, services and solutions, cybersecurity services and solutions**; data and analytics services, solutions and consultancy; they advise, design and create digital workspaces that adapt to the specific needs of each sector; they identify and develop new business models; they are committed to innovation and strategic investments; lastly, they offer Syntphony, an ecosystem of software solutions grouped together to generate synergies and offer the best results.



**Diego Fernández Casal**

**PLM & Industry Leader**



Enrique Palomeque

Sales Manager Spain,  
Portugal & MEA

## What is their activity?

**OnRobot manufactures collaborative robotics solutions**, grippers solutions for handling parts, robot application tools for polishing and surface grinding. Moreover, 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 the robots, eliminating barriers at both the mechanical and programming levels. In other words, OnRobot stands out for offering the most complete solution possible to the user who operates its collaborative robots. With their slogan, “one system, zero complexity”, they perfectly define their objective of universalising robot manipulation and implementing ease of use and maintenance,

## What are the highlights of their presence at the DFactory?

The **DFactory offices offer them visibility and a key point for generating synergies with other players in the robotics industry**. In addition, the technology hub, being a leading centre in digitisation 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 on the company and their professional activity

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

## Pioneering products, solutions and/or projects:

- **Key services in collaborative robotics and universal software development for manipulation and programming.**
- **Applications:**
  - Machine tending
  - Material handling
  - Material removal
  - Quality
  - Assembly







Joan Manel  
Casamitjana

Picvisa CEO



### What is their activity?

**PICVISA** is an **innovative technology-based company** that offers solutions based on **robotics, artificial intelligence and vision** oriented to the national and international market. They design, develop and produce **sorting and classification equipment for recoverable materials**.



### What are the highlights of their presence at the DFactory?

Their presence at DFactory is key because of **the possibility it offers to collaborate with the rest of the ecosystem** present, to establish partnerships, close meetings with clients and the possibility of networking.



### Key data on the company and their professional activity

They are the **only Spanish company** that carries out this activity; their competitors are multinationals from Europe. It employs around **30 workers** and it is present in **18 countries**, mainly in **Europe** and **LATAM**.

They have **more than 400 units sold** worldwide. Their **industrial surface area is around 800 m<sup>2</sup>**. Their test centre, manufacturing and development centre are in Calaf, while the offices are located in the DFactory Barcelona. In total, they manage just over **2M tonnes of waste** per year.



### Pioneering products, solutions and/or projects:

The **ECOGLASS optical sorter** and the **ECOPACK optical sorter** allow the automatic sorting and separation of various types of materials by composition (NIR), colour (VIS) and/or shape (deep learning). The **ECOSORT TEXTIL optical sorter** allows the automatic classification and separation of textiles by composition (NIR), color (VIS) and/or shape (deep learning). **ECOPICK** is an artificial intelligence (AI) based robot that recognizes and classifies a wide variety of objects on a conveyor belt, replacing the tasks usually performed by a manual triator. The **ECOFLOW** flow analyzer is based on artificial intelligence and allows image collection, data processing and data visualization.

**Data+** is the new data platform that allows waste managers to have a 100% digitized plant connected to industry 5.0. Other highlights include its **Test Center** project, the selective glass plant of **Calcín Ibérico** in Guadalajara, the installation of the Ecopick robot for **Nestlé-Vaersa** for the recovery of coffee capsules at the Picassent plant.





Verónica  
Kuchinow

Founder & CEO  
of SÍmbiosy

## What is their activity?

**SÍmbiosy** is a consultancy specialized in the design and implementation of circular economy strategies and industrial symbiosis. It offers an online synergies platform that maps 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.

## What are the highlights of their presence at the DFactory?

The DFactory is a leading ecosystem due to its modern, innovative and sustainable facilities that has advanced infrastructure and resource management capabilities. That is why SÍmbiosy 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 on the company and their professional activity

Founded in 2014, the company has its headquarters in Poble Nou (Barcelona) and carries out symbiosis projects in DFactory. In total, the organization has 9 people working and 2 members.

## 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 certain industrial ecosystem thanks to the management and analysis of large volumes of heterogeneous data through mathematical coding algorithms. SÍmbiosy works for industrial companies, clusters and business associations and public entities identifying new business opportunities from non-valued resources, connects different productive sectors and promotes a multi-level and sustainable governance system.



## What is their activity?

**Siocast manufactures and sells a new technology of plastic injection in silicone moulds made by 3D printing.** They use 3D printing in advanced computer design technologies to create these moulds. They teach companies how to use these technologies in order to go from the original idea to high production in a matter of days.



## What are the highlights of their presence at the DFactory?

In the DFactory they have a **space dedicated to the company's R&D** and so they can develop our factory end to end by creating a manufacturing environment with a technology that did not exist for plastic injection in silicone moulds. This allows them to present it to companies that want to adopt their production system, having a place where they can come, understand it, and see all the steps, from the design of the piece until it is manufactured with its production process. In addition, thanks to this ecosystem, they are looking 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 on the company and their professional activity

Siocast was founded **eight years** ago, at the headquarters of Palau-solità i Plegamans. Since 2022 they decided to set up the offices for research development, together with the technical and commercial part, in the DFactory. Currently there are about **10 people** on the staff. They have an international character, with an export level of 100%. In fact, in 2022 they have founded a subsidiary in the USA with the aim of providing a better service to the american 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-processing equipment.



## Pioneering products, solutions and/or projects:

They are currently working on a toy with artificial intelligence and augmented reality. Thanks to their technology, each 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 transversely, they are also involved in sectors such as model making, packaging, electronic moulding, etc.



Ferran  
Navarro

CEO and Co-  
founder of  
Siocast





**Ronen Zioni**  
CEO & Founder  
Excelencia-Tech



**Neus Llagostera**  
Marketing and  
Communication Director  
Excelencia-Tech



## What is their activity?

**Stratasys** is leading the global shift to **additive manufacturing with innovative 3D printing solutions for diverse industries** such as aerospace, automotive, consumer products and healthcare. Stratasys' solutions - with smart, connected 3D printers, polymer materials, a software ecosystem and manufactured-on-demand parts - deliver competitive advantages at every link in the product value chain. Leading organisations around the world turn to Stratasys to transform product design, streamline production and supply chains, and improve customer service.

## What are the highlights of their presence at the DFactory?

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

## Key data on the company and their professional activity

**Stratasys** has over 30 years of global market leadership in additive manufacturing with the largest installed base of any manufacturer worldwide. Today, it employs more than 2,000 people, who have delivered more than 1,700 patents. It has \$460M in cash and cash equivalents, with a portfolio of products across 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 everywhere in the world.

## Pioneering products, solutions and/or projects:

Extensive portfolio of products and solutions targeting almost all sectors. The J850™ Digital Anatomy™ printer is a standout solution in the Medical sector with proven anatomical realism. Materials and software combine to create 3D clinical application models of human anatomy that mimic bone and tissue with realism you can see and feel.



**Jordi Ferrer**

**CEO and Co-  
founder of VDM  
Health**

## What is their activity?

**VDMHealth** develops **software** using **artificial intelligence and vision** technologies and advanced human-machine interaction, to improve and automate healthcare in general through innovative applications that increase the efficiency of services and interaction between healthcare professionals and patients.

## What are the highlights of their presence at the DFactory?

Being at the **DFactory** is a great opportunity because of the technologies of the companies that are present. Through research programmes developed by some of them, such as Leitat's, they can improve the response of their algorithms and address new technological uses. Another example is the contact with NTT Systems, with whom they are finding new lines of joint collaboration to offer business solutions that incorporate advanced means of innovation for industry in general.

For VDMHealth, it is really an ideal space because of the services offered and the continuous interaction between companies and joint innovative developments.

## Key data on the company and their professional activity

The company began to develop its work in 2017. They have a 6-year track record, providing services for the Community of Madrid, Valencia and La Rioja, where they provide services to about 12,4 million citizens. In addition, they have recently participated in a programme financed by the FEDER Funds and the Ministry of Industry in the Canary Islands and Valencia to develop new artificial intelligence applications in the health systems of these regions.

The important **DFactory** ecosystem has become its **main location**.

They aspire for their software to be implemented in a new generation of devices with artificial intelligence and vision to improve the health and well-being of users in their own homes, capable of resolving situations on their own and even offering an initial diagnosis and treatment for any problems that may arise, as well as following and monitoring the course of each one of them.

## Pioneering products, solutions and/or projects:

They have developed **an app capable of building personalised comprehensive health plans** in just minutes, completely automatically following the objectives, preferences and different profiles of each of the users, including the diseases that afflict them, the medicines they take or their preferences and the means available to them.





**Yonatan Zioni**

**Sales and Marketing Manager**



### What is their activity?

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



### What are the highlights of their presence at the DFactory?

A **practical example at DFactory** is the **partnership between Picvisa, Windforce and Leitat** in the development of an innovative solution. They **jointly developed a mock-up of Picvisa's Ecopick machine** in order to be able to showcase a replica of their products in a new way at the **IFAT Worldwide trade fair in Munich**.



### Key data on the company and their professional activity

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

Thanks to their network of partners and collaborators, they can provide access to a wide range of Stratasys, Massivit, metal printing and other technologies. This allows them to offer their customers an end-to-end consultancy and on-demand part production service.



### Pioneering products, solutions and/or projects:

**3D printing service for industrial parts**, 3D part redesign, 3D scanning, reverse engineering and additive manufacturing project consultancy.





**Manel Torrentallé Cairó**

**CEO and Co-Founder of  
WITEKLAB**

### **What is their activity?**

**Witeklab** develops **radio sensor technology solutions in the field of building and structural health monitoring (SHM)**. The company itself engineers, develops and markets 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 sensor technology and mobile device connectivity.

### **What are the highlights of their presence at the DFactory?**

Witeklab sees this ecosystem as a source of many advantages, such as the possibility of **getting to know and contacting innovative companies** that need its technology, and vice versa. Moreover, the fact that it is **managed by the CZFB** gives DFactory Barcelona a **great potential for knowledge and attraction of Industry 4.0 talent**.

### **Key data on the company and their professional activity**

Witeklab was founded 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 employees plus external collaborators from agreements with different university centres, such as the UAB, the UPC, the UPV and research centres such as the Eduardo Torroja Institute of the CSIC (Spanish National Research Council). After design and research, their products were launched on the market three years ago.

### **Pioneering products, solutions and/or projects:**

**CORROCHIP** is an innovative system for the detection and evaluation of corrosion processes in steel embedded in concrete. **CORROCHIP Cover** can detect the progression of corrosion through the concrete before it reaches the reinforcement. **ROCKCHIP** is an autonomous telemetry system that detects changes in slope protection systems and provides data in an automated way on the state of the monitored element, its integrity and the evolution of the stresses to which it is subjected, making it essential for roads and railways. **TRENCHIP** is a comprehensive solution that locates all hidden installations (walls or trenches). In addition, it facilitates the management of underground assets through a cloud-based platform, with a single tool. This technology won the Galileo Masters Catalonia Challenge in 2020. **MONSEC®** enables remote monitoring of concrete setting in construction projects with wireless sensors and provides accurate, real-time information on concrete strength and maturity during the setting process.

 **What is their activity?**

ZentinelMDS sells **solutions for industrial observability** that make 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.




**Jordi Cruz**

**Director & Co-  
Founder in Zentinel**

 **What are the highlights of their presence at the DFactory?**

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

 **Key data on the company and their professional activity**

Founded in 2022, ZentinelMDS has decades of experience from its founding partners in the **development and commercialization of automation and industrial connectivity solutions**. ZentinelMDS was born 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! platform** which combines open technologies such as Edge Computing, Single Pair Ethernet, MQTT and SQL. Las soluciones 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 market technologies for the integration of machine signals with information management systems.



**Miquel Sanchis**

**CTO & Co-Founder  
in Zentinel**

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