









Gazelle Accelerator was born from a simple analysis:
European technology based companies have a high-growth
potential but their expansion is often hindered by the industrial
fragmentation and by their lack of visibility on the European
market.

Therefore, Gazelle Accelerator, business acceleration activity of EIT Manufacturing, aims at supporting existing technology-based companies, SMEs and start-ups; by accelerating their international business and innovation capacities. Gazelle Accelerator will provide SMEs and start-ups with the network and support they need to expand and become the future European Gazelles.

Uses cases identified are challenges in manufacturing companies in the Industry 4.0 topic.

The aim of this brochure is to provide a business profile overview of the start-ups and SMEs selected to participate to the 6^{th} Gazelle Accelerator matchmaking event planned in october and november 2022 .

Enjoy the reading!







PROJECT PARTNERS

GAZELLE ACCELERATOR'S TEAM IS MADE UP OF INDUSTRIAL, RESEARCH AND ACADEMIC PARTNERS.

COMPLEMENTARY EXPERTISE WILL BE USED TO GRADE UP AND ACCELERATE PROMISING START-UPS OR SMES THROUGH OUR AMBITIOUS SUPPORT PROGRAMME.



AEROSPACE VALLEY (FRANCE)

Aerospace Valley is world's first aerospace cluster, dedicated to the strategic sectors of Aeronautics, Space and Drones, in France. With its 5 excellency ecosystems – Embedded and Communicating Systems, Structures and Mechanical Systems, Propulsion and Embedded Energy, Data and Artificial Intelligence, Products and Services for the Industry, Aerospace Valley drives a supportive, competitive and attractive community, aimed at fostering innovation in view of growth. Ranking among the top three clusters for the performance of its cooperative R&T projects (among which 580 have already been financed),







Aerospace Valley is in charge of animating a dynamic network of international reputation, composed of 850 members (companies, research and training centres, universities and schools, local authorities). Aerospace Valley has as a mission to support the development of the aerospace sector and to increase its competitiveness. To achieve this a critical task is to promote introduction of advanced manufacturing technologies which will improve the competitiveness of the European industry.



LINPRA (LITHUANIA)

LINPRA - Engineering Industries Association of Lithuania. LINPRA is an independent business organisation, representing Lithuanian engineering industry, interests of companies, working in metal, machinery and equipment, electromechanics and electronics, plastics and rubber industry on international and national level.

ROBO HOUSE

ROBOHOUSE (NETHERLANDS)

RoboHouse is a centre for robotics, headquartered in Delft, Netherlands. RoboHouse is powered by the Robotics Institute of Delft University of Technology. RoboHouse aims to facilitate collaboration between researchers, governments and enterprises. Currently, RoboHouse is looking to attract robotics companies and researchers in the field of robotics in order to facilitate this collaboration.



LMS (GREECE)

The Laboratory for Manufacturing Systems & Automation (LMS) is oriented on research and development in cutting edge scientific and technological fields. LMS is involved in a number of research projects funded by the CEU and European industrial partners. Particular emphasis is given to the co-operation with the European industry as well as with a number of "hi-tech" firms. LMS is organized in three different groups: 1) Manufacturing Processes Modelling and Energy Efficiency, 2) Robots, Automation and Virtual Reality in Manufacturing, 3) Manufacturing Systems and it has a fully equipped machine shop that contains high payload industrial robots, collaborative robots and machine tools.



fasttrack Fast track action (Portugal)

Fasttrack Action is a subsidiary company of Fasttrack Ventures, an early-stage investment fund that invest in early-stage digital & deep-tech companies. FTA is dedicated to providing support to startups launching and growing their business, including:

- 1. Finding the most appropriate funding scheme (private, public or a combination)
- 2. Developing strategic business plans and innovation strategies
- 3. Mentoring, coaching, networking events and portfolio management.



ATOS (BELGIUM)

Atos is the global leader in secure and decarbonized digital with a range of market-leading digital solutions along with consultancy services, digital security and decarbonization offerings; an end-to-







end partnership approach. A net-zero pioneer in decarbonization services and products, our commitment to the future extends to carbon-neutrality for our organization as well as our clients and partners. Together, we're a force pushing the boundaries of scientific and technological excellence to ensure that everyone can live, work and thrive sustainably in a secure information space. Supported by the talent and diversity of 107,000 employees in 71 countries, we generate an annual revenue of €11 billion.



FONDAZIONE GIACOMO BRODOLINI (ITALY)

Fondazione Giacomo Brodolini is a group that includes Fondazione Giacomo Brodolini, a non-profit organisation that deals with cultural and research activities on the subject of work and social inclusion, and Fondazione Giacomo Brodolini Srl SB (Benefit Corporation) that carries out projects and studies and offers consultancy and advanced training services.

FGB's work is deeply rooted in the values of social inclusion, local cohesion, sustainability, and digital innovation for economic growth, equal opportunities, and access to the job market through skills development, gender equality, and cultural diversity advocacy, civic participation for local development.

Gazelle Accelerator in a nutshell



118

SMEs and start-ups integrated into the programme since 2020



18

Countries covered in Europe



190

Qualified business or finance analysis delivered



40

Uses cases & challenges identified with industrial corporates



150

Connections made between SME's and corporates and/or investors







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BUSINESS PROFILES OF INNOVATIVE SMES AND START-UPS SELECTED TO THE 6TH GAZELLE ACCELERATOR PROGRAMME









AIRUDIT







Company identification

Location: Pessac, France **CEO**: Philippe LEBAS

Website: www.airudit.com

Company history

Year founded: 2013 Employees: 21

Video pitch

https://youtu.be/PGLb1Xju4IY



Company presentation

Conception of human-machine interfaces based on vocal Artificial Intelligence. Our technology is embedded, independent of any web connection. It is adapted to complex situation Industry 4.0 or cockpits for transportation system (aircrafts, automotives, ships,...)

Uhat distinguishes their technical proposal

Our technology is embedded, miniaturizable and able to understand several questions in the same phrase.











ALTERIA AUTOMATION







Company identification

Location: Madrid, Spain

CEO: Alfonso Luis Gordon Minguez **Website:** *www.alteriaautomation.com*

Company history

Year founded: 2016 **Employees:** 7

Video pitch

https://youtu.be/JujO5UqdXIE



Company presentation

ALTERIA is a high-tech electronics engineering company. We are specialized in the design and manufacturing of custom smart sensor solutions. Our sensors feature embedded edge (non-destructive data pre-processing right at the sensor). Over the last years, ALTERIA has developed turn-key solutions integrating custom-made time-series data servers.



While thousands of start-ups and seasoned companies are developing software-only solutions, Alteria has a different approach. We manufacture smart hardware to gather real data We are one of the few European companies developing and fabricating true Smart Sensors, right here, in Europe We integrate the connectivity solution, thus sensors are not isolated hardware. Also, we can either integrate our sensors in existing data servers or provide a turn-key solution from the sensor to the server.











AQUILA DATA ENABLER







Company identification

Location: Courbevoie, France

CEO: Stéphane GEORGE

Website: https://www.aquiladata.fr/

🕚 Company history

Year founded: 2004

Employees: 44

Video pitch

https://youtu.be/3M2YWxpM3K0



Company presentation

Aquila Data Enabler is a research and development firm specialized in data science / artificial intelligence. We develop custom-made AI models and algorithms for our customer's industrial applications. We work on all types of data (time series, documents, images and videos) for applications such as predictive maintenance, quality control etc.



We developed a solution, called TimeFlow, dedicated to the forecasting and the analysis of time series. Thanks to our solution you will be able to forecast and detect anomalies in times series, but it will also allow you to build virtual sensors, thus leading to Al-based digital twin.

Moreover, it is usable by a large scale of profiles: developers, data scientists but also experts (maintenance, supply chain etc.) with no previous knowledge of data science.

Thanks to the work of our experts, TimeFlow won an award in an renown data science competition and was validated by industrial leaders several sectors such as aeronautics, environment, energy, subsurface etc.









DAK-MEKATRONIK-AEROSPACE







Company identification

Location: Auch - France

CEO: David Alain KABEYA MUADIAMVITA

Website:

www.dak-mekatronik-aerospace.com

Company history

Year founded: 2021

Employees: 2

Video pitch

https://youtu.be/Zob4VEDjQvw



Company presentation

In response to the increasing deterioration in the quality of practical training for airline pilots, as highlighted by international supervisory bodies, Dak-Mekatronik-Aerospace has positioned itself as a new aircraft designer and manufacturer, a prime contractor - airline pilot training segment - architect of disruptive solutions for the most efficient pilote training devices: the AATD Cockpit Trainer, the Free Full-Axis Flight Simulator and the first low-carbon, light training airliner - specifically dedicated to the training of airline pilots to excellence, on the ground and in the air, covering all practical training program.

☐ What distinguishes their technical proposal

Our technical proposal is the very first low-carbon, light training airliner, designed on the basis of a mission profile strictly dedicated to training the pilot of the future to excellence and in immersion. A delivered patent protects 100% of the program.











DC02







Company identification

Location: Cugnaux, France

CEO: Maxime Boiville **Website:** *www.dco2.fr*

🕚 Company history

Year founded: 2021 **Employees:** 5

Video pitch

https://youtu.be/No2TVJNIUV4



Company presentation

Helping low carbon transition of industrial companies thanks to technology. We are offering SaaS softwares allowing:

- Data collection
- Company activities carbon footprint calculations
- To build an emissions reduction plan
- Emissions monitoring and tracking



What distinguishes their technical proposal

We are proposing a way to measure accurately emissions coming from big value chains. Existing solutions are offering 2 main alternatives: financial ratios and/or industry averages. The limits of these methods are:

- The only way to reduce carbon footprint is to reduce the number of bought/saled products (hardly understandable for a company)
- All suppliers are using the same average data, so they can not be compared in terms of sustainability.

Our approach solves these two issues.











Goodfloow GOODFLOOW







Company identification

Location: Nantes, France

CEO: Ronan Le Roy

Website: www.goodfloow.com

Company history

Year founded: 2020

Employees: 15

Video pitch

accelerator

https://youtu.be/uhUof_2q2CE







Company presentation

GoodFloow divides the TCO of industrial returnable packaging by 3 which reduces emissions by more than 50%. To do so, it automates the tracking and management of packaging anywhere in Europe.

The service consists of a connected object to put into each packaging and 2 applications: mobile and Web.

Labialized by ADEME GoodFloow is a fully eco designed logistic 4.0 solution that makes your packaging fleet a tool of circular economy and improve your CSR rate.

What distinguishes their technical proposal

Labelized DeepTech by the French Bank of Investment (BPI), 12 searchers based in 4 public laboratories are working on a disruptive technology. Goodfloow is the only solution that combines 3 characteristics:

- 1. Legally identify which industrial site is responsible of which packaging and from when to when.
- 2. Connected object lifetime longer than the packaging (>7 years) while being on standby 24/7.
- 3. Without infrastructure (antennas on the walls).







HOLIS CONSULTING







Company identification

Location: Pau, France **CEO**: Guillaume Renaud

Website: https://holis-consulting.com/

🕚 Company history

Year founded: 2020 Employees: 15

Video pitch

https://youtu.be/iJozwliUPC4



Company presentation

We are an engineering & consulting company for maintenance & inspection. We developed a software suite to digitalize inspection/maintenance processes. We help industries to safeguard their infrastructures with digitalized, safe, and performant inspection engineering.

🖰 What distinguishes their technical proposal

Our main asset against our competitors is our dual expertise in inspection & digital, which allows us to use state-of-the-art digital technologies to enhance engineering services Ours Digital solutions are developed by inspection specialists in collaboration with field inspectors and industrial end users. Our mobile app is able to locate damages on drawings and manage measuring points. We are able to customize our apps to fit customer requirements and management system.









imagin_{-VK}

IMAGIN-VR







Company identification

Location: Laval, France **CEO**: Marc TRAVERS

Website: www.imagin-vr.com

Company history

Year founded: 2018 Employees: 4

Video pitch

https://youtu.be/X19AT5E7KL8



Company presentation

Imagin-VR develops, designs and markets (for sale or rent) immersive, interactive and collaborative "turnkey" Virtual Reality solutions: 2 patented Cave and Powerwall solutions (3D projection rooms) offered in a fixed version (Design Office and/or Showroom) and in a mobile version (3D project review, Prototyping, VR work sessions on customer sites).

🖒 What distinguishes their technical proposal

Imagin-VR is the only one to offer:

- Mobile CAVE with 5 movable projection screens on industrial sites: Cube-VR Compact (3mx3m on the ground); Quick installation (2h00); Patent of invention 2022
- Ultramobile Powerwall with large screen wall projection: Suitcase-VR Ultra-short focal length projection (W3.40 m x H2.50 m) Quick installation (5 mins) Patent of invention 2021
- A software suite "turnkey" 3D project review
- Service for rental (on customer sites) and for sale (BE, showroom).









MECABOTIX







Company identification

Location: Toulouse, France **CEO**: Jean-Christophe Fauroux **Website:** *www.mecabotix.com*

🕔 Company history

Year founded: 2021 Employees: 2

Video pitch

https://youtu.be/DqxVP_yFoFq



Company presentation

MecaBotiX is a company specializing in innovative mechanics and robotics. It designs, produces, and markets the M3-Cooper robots, Modular Mobile Manipulators capable of COOPERATING with each other like ants for carrying all the types of loads that can be found in a warehouse, from single product to boxes, pallets and oversized formats.

$\overset{\wedge^+}{\supset}$ What distinguishes their technical proposal

Our solution adapts to existing warehouses, without the need to buy specific racks or to smoothen the floor, thanks to exceptional robot stability. The acquisition cost is affordable due to standardization of the modules. The operational cost of the warehouse can be significantly decreased if the racks are reconfigured with 1.5 m wide aisles instead of 3.5 m, which can translate into 30% improvement.









MERANTIX

MERANTIX AG







Company identification

Location: Berlin, Germany

CEO: Adrian Locher

Website: https://www.merantix.com/

Company history

Year founded: 2016

Employees: 38

Video pitch

https://youtu.be/UInTTlDg6QY



Company presentation

We are Merantix, a german-based Al venture builder. We are incubating a new stealth venture in the field of manufacturing. This new venture wants to give European manufacturers a competitive edge and unlock the full productivity potential of their workers with the help of computer vision and Al.



What distinguishes their technical proposal

Until now, motion time studies have been done manually with "a stopwatch, pen, and paper." We want to digitize this process and give manufacturers transparency on what is happening on the shop floor. Manufacturers have all the data they need from their machines; we are helping them see the whole picture by providing them with data about manual assembly processes. This data will help them precisely track each work step of your assembly process, measure time and identify improvement potential.











MIURA SIMULATION SAS







Company identification

Location: Nantes, France **CEO**: Jose Vicente AGUADO

Website: www.miurasimulation.com

🕚 Company history

Year founded: 2020

Employees: 7

Video pitch

https://youtu.be/zkqDQApYn-Q



Company presentation

Miura Simulation is an engineering software company that specializes in real-time simulation. We provide solutions to embed the power of scientific computing on portable devices and Digital Twin applications, helping engineers and factory operators make better decisions.



Miura has developed a new generation of machine learning methods for scientific computing that is differentiated by: Its compatibility with traditional software, which can be interfaced as a black-box, with no need for code reimplementation. The use of an active learning technology that minimizes the amount of data required to train a model. Compared to traditional software, these features allow to create simulation applications that can be executed in real-time on portable devices.











OMEGA 365 FRANCE SARL







Company identification

Location: Pau, France

General Manager: Jean-Francois Caron

Website: www.omega365.com



Year founded: 2019

Employees: 15

Video pitch

https://youtu.be/TnR4rmj04aw



Company presentation

Omega 365's tested and proven project information management solution has been utilized for decades to run large projects in Companies of the transportation sector such as DB and BaneNor and the energy sector such as BP, Chevron, Conoco, Equinor and TotalEnergies.

The Company started in 1991 in Norway and opened a branch in France in 2019.

The group has other offices in America (Houston, Calgary, St John's), Europe (Norway, Denmark, Lithuania, Sweden, and France) and Asia-Pacific (Singapore, Perth, Melbourne & Brisbane).

Omega 365 also offer Consulting services with our network of specialists with functional & technical expertise.



What distinguishes their technical proposal

Omega 365 has significant references in Cost Control, Electronic Document Management, Commissioning management and specific Workflows for the management of Quality, Interfaces, Modifications and Risk Management.

Omega 365 / Pims software is available on premises or on Client Private Cloud or on Omega Cloud (Azure).

Omega 365 is ISO 27001 certified for cyber security.









PACKITOO







Company identification

Location: Pau, France **CEO**: Thomas Othax

Website: https://hipe.packitoo.com/

Company history

Year founded: 2017 Employees: 10

Video pitch

https://youtu.be/MLr2Nx1luSA



Company presentation

Packitoo is a French startup that has 2 businesses : Connect and HIPE (https://hipe.packitoo.com/en/home/).

HIPE is a product configurator for cardboard packaging converters to accelerate and automate their sales process; based on production data.

$\overset{\wedge^+}{\supset}$ What distinguishes their technical proposal

Packaging specific MIS/ERP offer advanced quoting system, with manufacturing process generation. Yet ERP systems are not done for sales and ecommerce (opened for clients). Ecommerce solution are too generic, and require a lot of investment to cover all packaging configuration characteristics (form, sizes, options, materials, print options, finishes options) and do not include MIS/ERP quoting systems. HIPE completes this lack for both systems and acts as the best of both worlds to bridge the gap.











PRODITEC SAS







Company identification

Location: Pessac, France

CEO: Julien Marjac

Website: www.proditec.com

Company history

Year founded: 1987

Employees: 45

Video pitch

https://youtu.be/btg1uRl0YAg



Company presentation

With more than 400 machines in over 40 countries, Proditec is a leading manufacturer of automatic inspection machines in the pharmaceutical and in the minting industry. Proditec inspection machines have become the manufacturing standard for ensuring the highest quality of pharmaceutical tablets and capsules. 85% of turnover is done in the Pharmaceutical market with over 90% export.

What distinguishes their technical proposal

Already a worldwide expert of high-performance automated quality control for tablets and capsule in the pharmaceutical industry, Proditec would like to propose a new innovative solution for implementing quality control on production lines.

Industrial machine vision is often complex, tailor made for the application and difficult to deploy. Codji, an autonomous vision system mounted on a robot arm, is an easy to use and low-price solution to implement real time quality control at every production step. All deviations and defects are detected as they occur allowing for an immediate response to resume production and fuel continuous quality improvement.











R&DNANO







Company identification

Location: Duppigheim, France

CEO: Martin Levy

Website: www.rdnano.fr

Company history

Year founded: 2007

Employees: 3

Video pitch

https://youtu.be/SqMUABOqLLo



Company presentation

R&Dnano is an expert company in sol-gel technologies for customized eco-responsible coatings and surface treatments for industry that provide properties such as conduction or insulation, anticorrosion, super-hydrophobic or oleophobic, lubricant, leveling, biocide...



What distinguishes their technical proposal

Most marketed superhydrophobic coatings rely on a delicate micro or nano structure for their repellence—this structure is easily damaged by abrasion or cleaning. An important characteristic to consider our SHC's is their ability to be applied on any kind of material, metals surfaces, molded polymers, paints, ceramics. As an example, our SHC has been tested successful on polycarbonate sheets. The sheets have been thermoformed under 250°C and 100 bars and we do not see any changes in properties. Moreover we demonstrate an oleophobic behavior. The thickness is approximately of 5µm and do not modify the surface aspect. Abrasion tests show a high resistance.











SMARTCONNECT IOT







Company identification

Location: Labege, France

CEO: Sahid Sesay

Website: www.smartconnectiot.com



Year founded: 2021

Employees: 5

Video pitch

https://youtu.be/MAPdlzvHqUs



Company presentation

With SmartConnect no code edge compute software, companies securely and cost-effectively capture, stream, drive & manage operations and insights. Removing complexity and delivering digital transformation ambitions effortlessly by connect every device/sensor/camera, system integrators deliver non-invasive successful IoT/IIoT, Industry 4.0, Smart City solutions for their clients.

$\overset{\wedge^+}{\supset}$ What distinguishes their technical proposal

Secure, internet facing no-code software solution for integration provides 6X quicker and 9X less expensive Industry 4.0 digital transformation projects Captures, normalizes, aggregates and delivers disparate sensor/device/equipment data to any analytics and/or asset management platform Network agnostic (wired/wireless/satellite). Limitless connectivity Infinitely scalable deployments System of systems (M2M) solutions Only need qualified electrician and IT staff Real-time notifications











U-SENSE.IT SRL







Company identification

Location: Ancona, Italy **CEO**: Nicola Paone

Website: www.u-sense.it



Year founded: 2020

Employees: 6

Video pitch

https://youtu.be/rBcuQfcALyw



Company presentation

U-Sense.IT is an innovative start-up targeting the specific market of portable and smart optoelectronic sensor for non contact measurements. Its mission is to provide SMART measurement systems to empower operators in the Human Centric Manufacturing and to bidirectionally connect operators to the digital factory network. The team has very good competences on non contact measurement techniques.

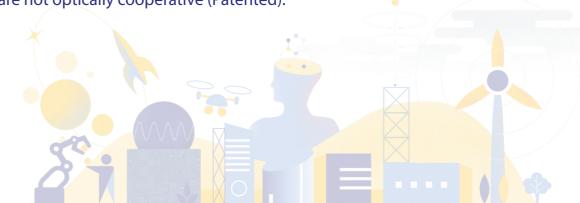


G3F is specifically designed for a human-centric approach to manufacturing. It is different for its miniaturized and ergonomic characteristics based on a miniaturized laser line triangulation sensor and dedicated digital electronics designed for edge computing with the implementation of AI algorithms, to solve the problems originating when humans perform measurements by hand-held instruments and when optical instruments are used on surfaces which are not optically cooperative (Patented).









11.11 Deadline for A2M & A2F video pitch recording 20.10 Investment Workshop 2H 13.10 Innovation 10.10 Workshop 2h Kick-off Meeting COMMUNITY BOOSTER CAMP DAYS 10.10 > 11.11 11.10 > 14.10 Mentorship Part.1 Self-Assessment 17.10 > 21.10

Mentorship

Action Plan

24.10 > 10.11

Coaching

Sessions A2M + A2F

Part.2

B2B meetings

MARKET AND INDUSTRIALS DAYS FROM 14.11 > 02.12

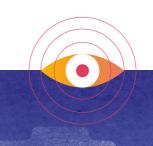
B2F meetings

INVESTORS AND FINANCE DAYS FROM 14.11 > 02.12

Collaboration meetings

VALUE CHAIN DEVELOPMENT DAYS

Gazelle Accelerator 6th edition Timeline



FOLLOW-UP 05.12 > 03.03.23

- > Start-ups and SMEs
- > Industrials
- > Investors
- > Contracts signatures (offers, sales, NDA...)



Matching manufacturing challenges with innovative





FROM 14.11 > 02.12



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THANK YOU FOR YOUR ATTENTION:)

www.gazelle-accelerator.eu







