BoostUp

CREATE

Entrepreneurs with a new solution to commercialize

eit Manufacturing

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Boost Up
Winner 2020

CREATE

1st Place

Fabinventors

Fabinventors is an innovation project created in the heart of Instituto Superior Técnico de Lisboa. FabInventors provides a 3D printing service for large format, multi-material and small series. We develop highly flexible manufacturing systems with collaborative deposition heads that adapt to each project to optimize the fabrication time. We provide a consultancy service to help customers from idea to the fabrication, if needed. Our system is based on the patent (pending) we developed during the research project, the owner is Instituto Superior Técnico.

2nd Place

EASY AI

It's EASY AI, a project from the university of Porto, a cloud-based framework that allows tech companies for fast prototyping and deployment of new artificial intelligence-based ideas for manufacturing companies.

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ACCELERATE

1st Place

SIMSOFT INDUSTRY

SIMSOFT INDUSTRY is the only software editor in Europe, 100% focused on Smart Voice Assistant for the technicians, field workers and craft workers of the industry, and proposing them a different experience at work, based on voice assistance.

The innovation of SIMSOFT INDUSTRY consists in the development of a first catalog of Smart Voice Assistance services (skills), compatible with the constraints of the industry, independent from the GAFAM, and 100% mastered in Europe. The Spix.SKILLS are ready to be integrated in industrial business software like SAP, PTC, APRISO, IBM-Maximo, and other applications.

2nd Place

wavely predict

As experts in acoustic signal processing, Wavely combines this area of expertise with artificial intelligence to identify and diagnose industrial equipment malfunctions using sound and vibration signatures.

Wavely Predict helps maintenance teams to avoid unplanned downtime. The solution is composed of a sensor and an smartphone app. With embedded AI, the sensor learns the normal functionment of the machine during up to 10 days and then sends alerts when identifying an anomaly.

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ACCELERATE

3rd Place

stirweld

StirWeld aspires to conquer a new market: Friction Stir Welding at low cost. The project head allows welding from any CNC. This head reduces drastically the investment cost to access to FSW, while improving the flexibility of production equipment.

Friction Stir Welding (FSW) has been identified as a key manufacturing technology. Indeed, aluminum is one of the drivers for massive weight reduction of vehicles (cars, trains, trucks) and their recyclability, therefore reducing their CO_2 impact.

4th Place

Linq case

Journey to zero. LINQcase was born to help industrial corporations achieve zero defects and zero inefficiencies in their manufacturing processes, through our non-destructive equipment and our connectivity and in-plant capabilities, 2 business lines:

- Non destructive testing solutions based on electromagnetic techniques to inspect the quality of ferromagnetic
- End-to-end digital solutions to optimize the efficiency of industrial plants.

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