EIT Manufacturing

ANI

Vasco Figueiredo Teles – INESC TEC

Porto, 24-11-2022

eitmanufacturing.eu

Co-funded by the
European Union

Manufacturing – Core to prosperity, job creation & growth

Over **2 million** companies in EU

16.1 % EU-28 GDP

35 million jobs in the EU

80% of EU exports

+ 13 million jobs in growing high-tech manufacturing industry

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Manufacturing – Challenges and Opportunities

Europe's current challenges are: **Digitalization, Sustainability, Competitiveness**

SKILLS

TECNOLOGIES

STRATEGY

You cannot do this alone, you need an **ECOSYSTEM!**

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The European Innovation Network for Manufacturing

Our Vision

Global manufacturing innovation is led by Europe

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A strong European community

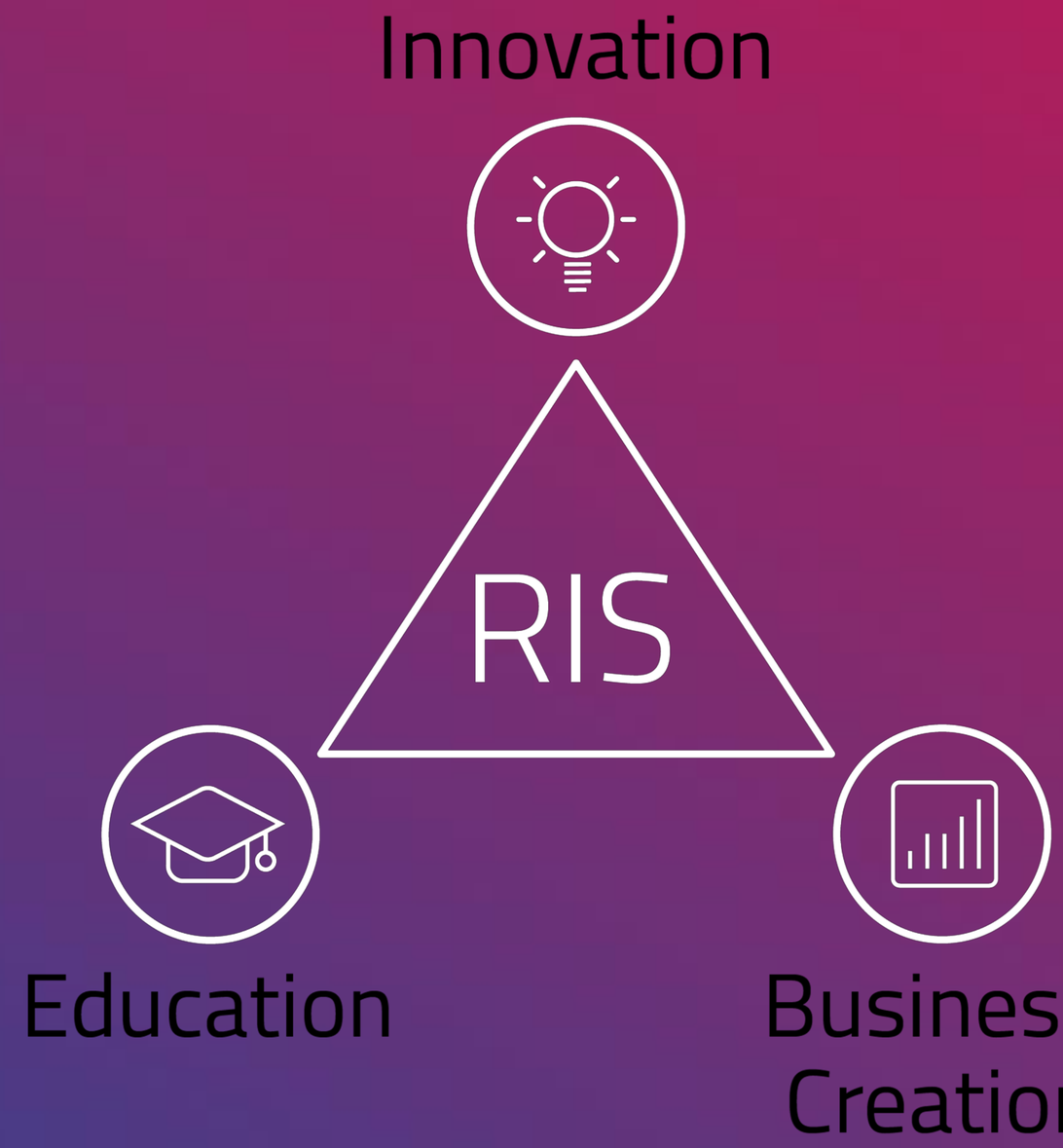
Unique approach

Integration of the **Knowledge Triangle. We connect:**

People - Skills

Technologies - Markets

Innovators - Investors



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Unique approach – Innovation based on industry needs

Holistic approach (KTI)

Public-private partnership

High-value manufacturing **challenges**

80+ full members

80+ activity partners

Budget until 2026

400 Million Euro

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Powerful partnership: 83 partners from 17 countries

Industry 52%

ELECTRONICS AND DIGITAL

Atos · esi get it right · CONTACT Software · Reply santer · VIGO PHOTONICS · BRIGHT CAPE · TIM GRUPPO TIM · ENGINSOFT · razorlabs

AUTOMOTIVE

MAGNA · Bonfiglioli · brembo · VOLVO VOLVO GROUP · DANA · MONDRAGON

AEROSPACE

aerospace valley · AERnnova · Avio Aero

ROBOTICS

KUKA · COMAU

MACHINERY & EQUIPMENT

LINPRA · SANDVIK · fives ultimate machines ultimate factory · INDUSTRY INNOVATION CLUSTER · PRIMA INDUSTRIE · FESTO · TEC-Eurolab we make you feel sure

CONSUMER GOODS, MEDICAL EQUIPMENT AND PROCESS INDUSTRIES

ACCELL GROUP · stryker · Whirlpool · SOMAE · itemalab · ArcelorMittal · P&G · voestalpine ONE STEP AHEAD. · GVS FILTER TECHNOLOGY · MARPOSS · ISCLEANAIR BREATHE YOUR LIFE

Universities 27%

ARTS ET MÉTIERS ParisTech · SUPSI · PW TU DARMSTADT · RUB · CENTRALE NANTES · CHALMERS UNIVERSITY OF TECHNOLOGY · Grenoble INP · UCD DU LIN · TU Delft · LMS Laboratory for Manufacturing Systems & Automation · CTU CZECH TECHNICAL UNIVERSITY IN PRAGUE · STU SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA · Aalto University · POLITECNICO MILANO 1863 · TARTU ÜLIKOOL 1632 UNIVERSITAS TARTUENSIS · TU WIEN TECHNISCHE UNIVERSITÄT WIEN · Politecnico di Torino · Technische Universität Braunschweig · ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA

RTOs 21%

Fraunhofer · INNOVATION LASTURHIE COMPOSITES · RI.SE · DFKI German Research Center for Artificial Intelligence · VTT · cea · Cefriel POLITECNICO DI MILANO · tecnalia MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE · HIT HUBINNOVAZIONETRENTINO · Jožef Stefan Institute Ljubljana, Slovenia · ART-ER ATTRACTIVENESS RESEARCH TERRITORY · Manufacturing alliance · BIBA · INESCTEC · JOANNEUM RESEARCH · Łukasiewicz PIAP

As of March 2022

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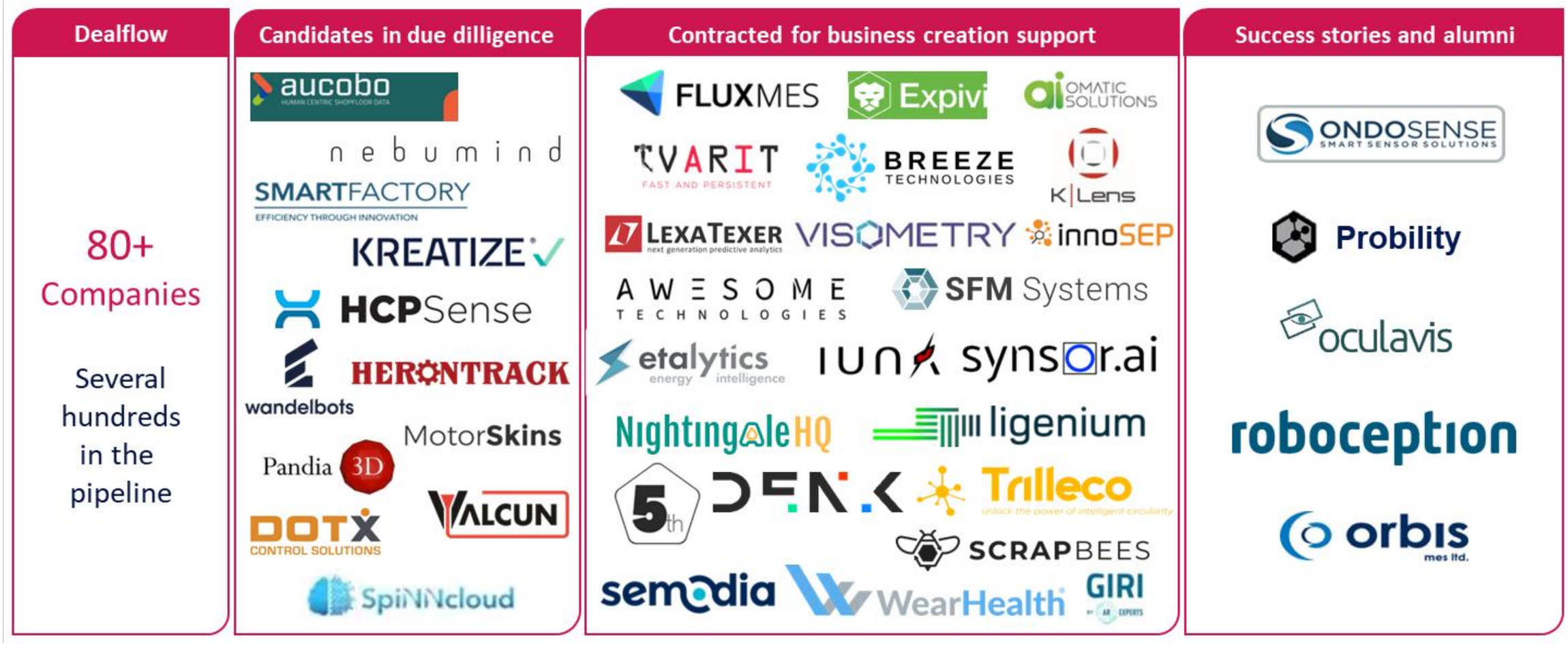
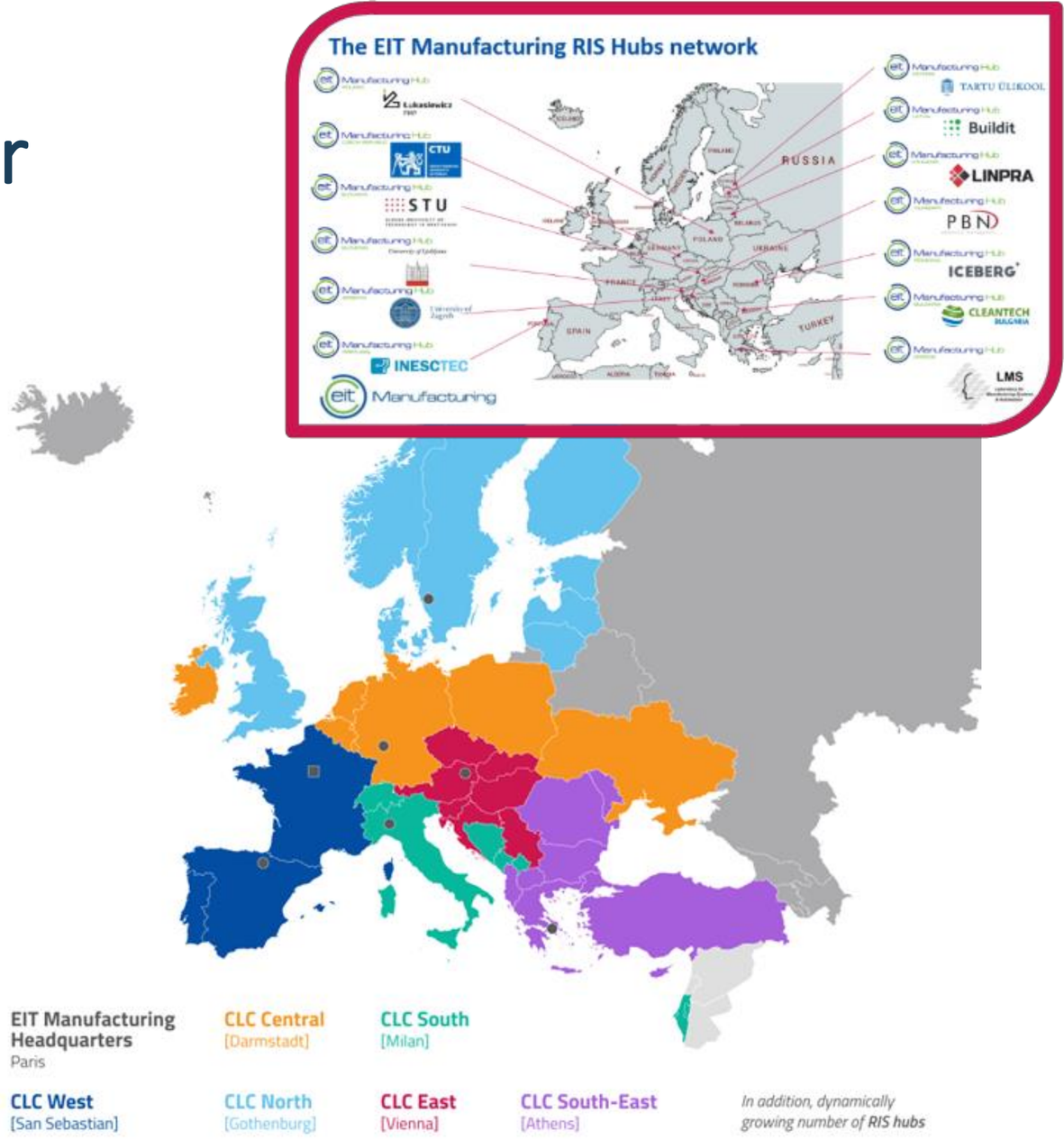
EIT Manufacturing Sparks – our young companies network



Unique approach – What we offer

- HQ in **Paris**
- **6 European** regional **offices** (CLCs)
- **13 Innovation Hubs**

Unique Europe-wide **Network of Industry and Science**



Why would a company want to be part of EITM community?

Opportunities

Innovation

- **Technology surveillance** - 200 startups
- **Open innovation**
- **EITM Funded projects** - pilot techs

Knowledge

- **Trends** (RADAR)
- **Talent** (Master, Phd students)
- **Learning** (Skills.move + learn from EITM projects)

Investments

- Corporate ventures

Connections EU level

Four focus areas: The Flagships

Flexible production systems for competitive manufacturing

Low environmental footprint systems & circular economy for green manufacturing

Digital & collaborative solutions for innovative manufacturing ecosystems

Human-machine co-working for socially sustainable manufacturing

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AGORA

Join us today!

1,500+ members and counting!

Latest tech developments, industrial use cases, insights and discussions

Networking and meeting

One-stop shop for EITM & Manufacturing news and activities

TUESDAYS FROM FUTURE

Innovation webinars

https://agora-eitmanufacturing.eu

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Innovation - Key elements for a good proposal

Using a AI and big data to predict quality defects and save raw materials

Case: Zero Defects 4.0

Challenge

High-levels of energy and raw materials waste due to quality defects.

Solution

A digital tool to predict defects. The tool leverages Artificial Intelligence (AI) and Big Data for consistent quality and predicts quality defects before they occur.

Benefits

- Significant reduction of waste material and energy.
- In pilot plant, an estimated 245 tonnes of wood could be saved annually.

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EITM Education Programmes: Connecting people with competences

Empower

- EIT-labelled Masters programmes
- EIT-labelled PhD programme
- Flexible personalised empowering programmes

MASTER School

DOCTORAL School

SUMMER School

WINTER School

Connect & Transform

- Transform organisations through education & training
- Upskilling and re-skilling programmes for corporates

Skills .MOVE

Teaching Factories Green Manufacturing 2022 Competition

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LEARNING FACTORIES
NETWORK DEVELOPMENT

Engage

- Attract young talent through networking, workshops and events
- Engage Women, Engage Pupils
- Cross-industry, societal engagement

Cross KIC Initiatives

eit European Institute of Innovation & Technology

Funded by the European Union

EIT HEI Initiative

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Skills .MOVE

Our digital learning platform as an answer to the challenges of manufacturing

Manufacture your future!

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eit Tech Talent

Funded by
the European Union

Securing the future of Europe's competitiveness.
One million people skilled in deep tech by 2025.

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CLC WEST

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How can you work with us?

- You have a **startup** and **need support** and funding
- You have a **manufacturing challenge**
- You want to **discover new technologies** for Innovation projects
- You want to **run PoCs** in specific areas
- You are **looking to invest**

Get in touch with me!
gala.maturana@eitmanufacturing.eu

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BoostUp BRIDGE

The Journey

Building bridges between the most innovative startups and large corporates

STEP 01

Challenges

Identification of industrial challenges

STEP 02

Tech bricks

A call to our startup ecosystem

STEP 03

Connect

Connecting corporates with startups

STEP 04

BoostUp! BRIDGE Competition

18 October 2021, during World Manufacturing Week

STEP 05

During 2022

EROSKI

Prenomics

KUKA

roboception

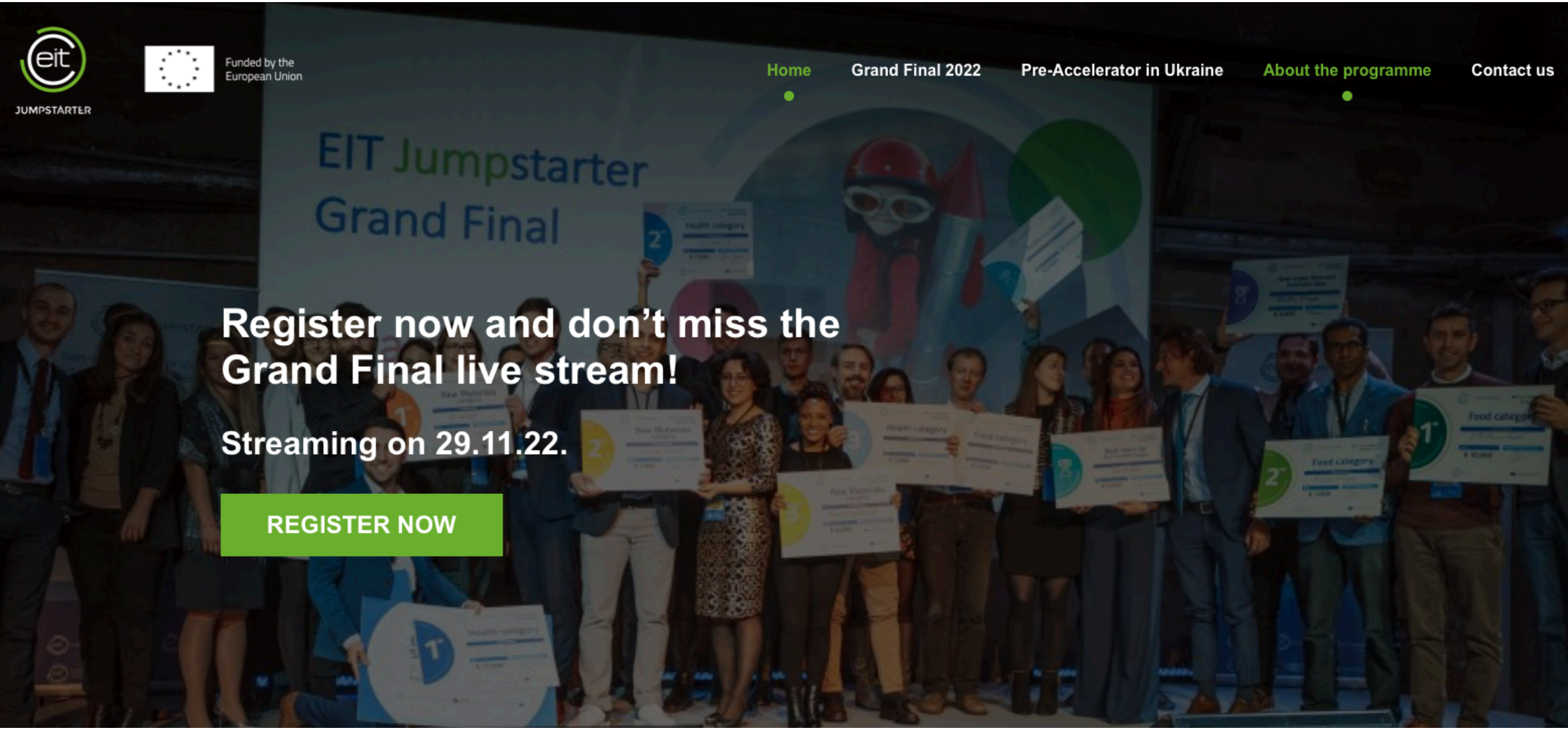
Whirlpool CORPORATION

GridMetrics

voestalpine

ChainTraced

BoostUp
Grand Final 2022
Twenty thousand euros
20,000
INVANTA
PURCITY
Date: 07/10/2022
Klaus Beetz


JUMPSTARTER
Funded by the European Union
Home
Grand Final 2022
Pre-Accelerator in Ukraine
About the programme
Contact us
EIT Jumpstarter
Grand Final
Register now and don’t miss the Grand Final live stream!
Streaming on 29.11.22.
REGISTER NOW

GreenMA – GreenManufacturingAccelerator

Aims

- Addressing key challenges for early-stage entrepreneurs, related to know-how, financing and contacts with EIT-M and the wider manufacturing ecosystem;
- Sustainability pre-assessment of startups solutions with innovative two-stage model.

Solution

- 3 months intensive acceleration program;
- Follow-on 6-month business development and mentoring support;
- Exposing to investors and industry partners.

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GreenMA – GreenManufacturingAccelerator

Main Results

- 35 teams made ready for investments;
- 100+ Investors present at Investor Demo Day (Tartu).

Impact

- 1+ million Euros of capital raised by Teams
- Financial business sustainability pre-assessment and Triple Bottom Line assessment based on MSM and UN2030 Sustainable Development Goals

https://bia.ee/eit-greenma-eng/

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TECH2MARKET

Technology to Market for Competitive Manufacturing in Europe

Aim Foster Entrepreneurial Ventures for:

1) Flexible Production Systems for Competitive Manufacturing;
2) Low Environmental Footprint Systems & Circular Economy for Green Manufacturing;
3) Digital & Collaborative Solutions for Innovative Manufacturing Ecosystems

Solution

Recovering results from European Projects /prototype stage → innovation roadmap in a two phased acceleration program: 2 Bootcamps; Pitch Clinics; 1 Demo day + Pitch to Investors; Clients and the General public; 8 Weekly training and meetups; 8 Weeks of Mentorship and Weekly Meetings with a mentor → Complete Go-to-Market Plan and Pitch Deck

INESCTEC BGI MADE Competence Center I4.0 Cleanthech Bulgaria BuilditGlobal, Accelerator of Things Łukasiewicz Przemysłowy Instytut Automatyki i Pomiarów PIAP

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TECH2MARKET

Technology to Market for Competitive Manufacturing in Europe

Main Results

- Support to 50 innovative start-ups/scale-ups business projects in both Acceleration phases;
- Support 14 start-ups/deep tech ventures Grant winners in Tech2MarketCompetition to provide a qualified business analysis/mentorship to these start-ups;
- Creation of education and training contents.

Impact

Creation of 10 new start-ups; Addressing the Manufacturing Sustainability (in 4 Flagships) with entrepreneurial solutions and test before invest.

https://www.bgi.pt/tech2market

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Obrigado

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