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Laser-Based Advanced and Additive Manufacturing at hand

Francesca Moglia – Pilotlines & Photonics Innovation Hubs Breakfast – January, 25 2022 – San Francisco

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Fostering the PAN-European infrastructure for empowering SMEs digital competences in laser-based advanced and additive manufacturing

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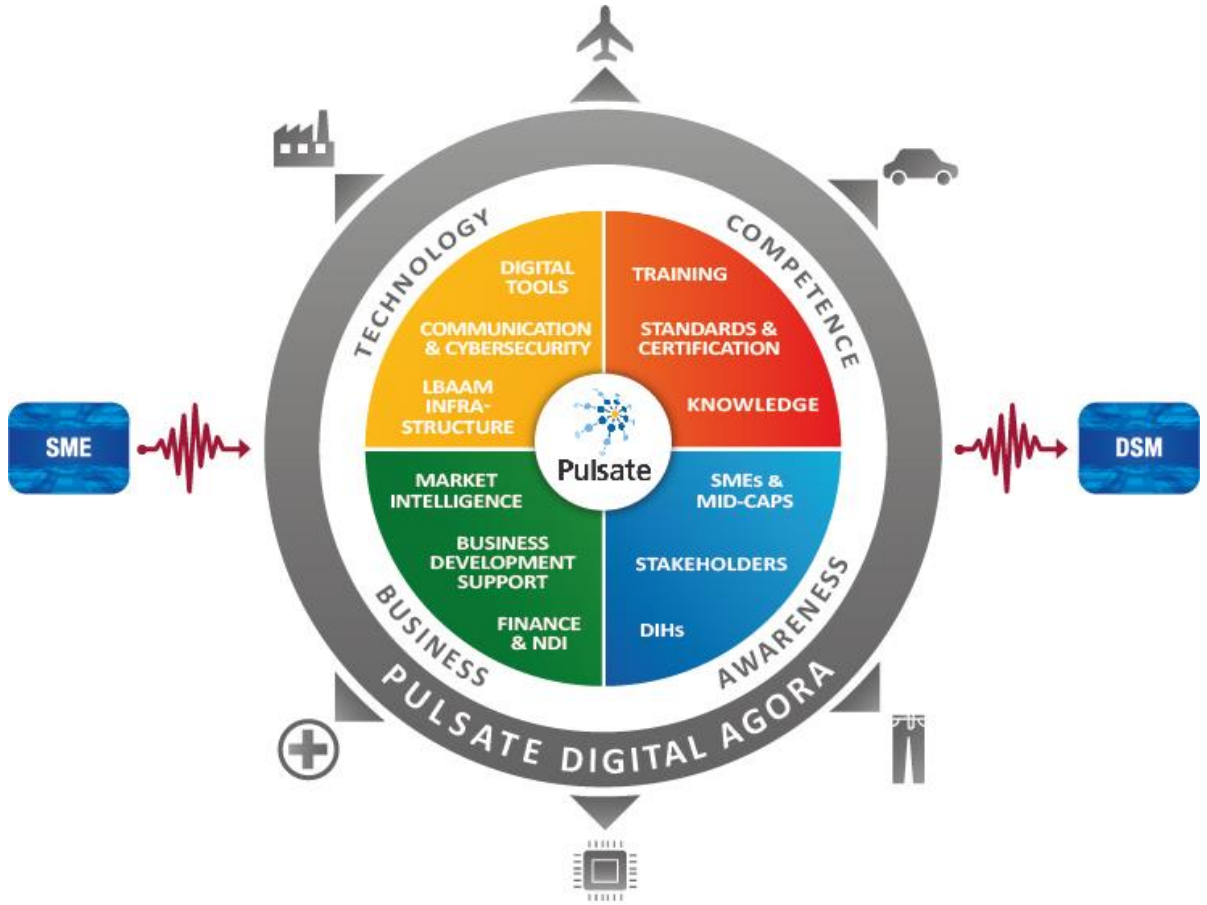
About PULSATE

PAN-European Network for Laser-Based Advanced and Additive Manufacturing

The main objective of PULSATE is to set up and consolidate a robust and open PAN European Network, sustainable beyond the project timeframe, **to promote and facilitate the adoption of** Laser-Based Advanced Additive Manufacturing (**LBAAM**) **technologies** by SMEs and slightly bigger companies.

The network will connect DIHs, top class Competence Centres, Public Institutions, Standardization Organizations, Financing and Business Development entities through the Digital Agora.



Revolutionising Markets for LBAAM

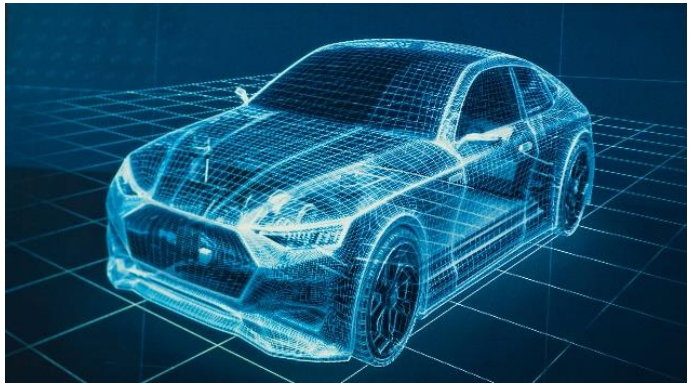
What can LBAAM provide to your industry sector?

Aerospace

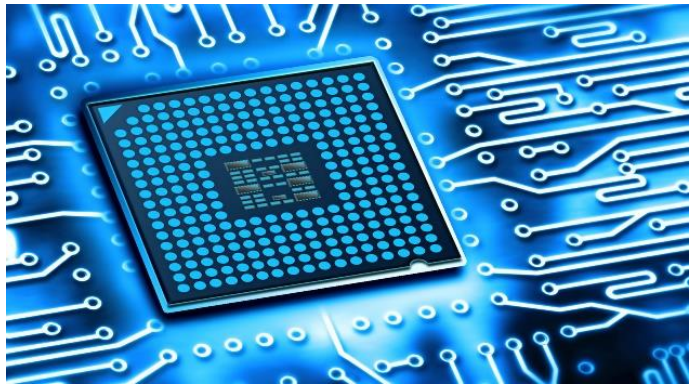
Medical Devices

Industrial Machinery

Automotive



Customized Electronics



Textile & Clothing

Revolutionising Markets for LBAAM

PRESENT US YOUR CHALLENGE!

What can LBAAM provide to your industry sector?

Aerospace

- Hardening of materials (shock peening)
- Reduce surface friction (drag)
- Reduce weight & save energy
- Anti-icy surfaces
- Repair complex parts

Automotive

- Welding “un-weldable” materials
- Manufacturing with hard materials
- Increase efficiency & throughput
- E-mobility and batteries

Medical Devices

- Improve implant compatibility
- Personalization
- Efficient biocompatible-material handling
- Organ on chip

Customized Electronics

- Improve data security
- Heterogeneous 3D integration
- Recycling
- Energy harvesting

Industrial Machinery

- Provide easy-to-clean properties
- Monitor & optimize processes
- Configurability, flexibility

Textile & Clothing

- Reduce waste
- Reduce use of polluting agents
- Manufacturing of E-Textiles
- Functional textile

Our offer

Services through our PAN-European Network:

- **Get funded through our Open Calls:**

	TECHNOLOGY TRANSFER EXPERIMENTS	ADOPTERS USE CASES
CALL LAUNCH	1ST: FEB 2021 2ND: APRIL 2022	1ST: JAN 2022 2ND: Q2 2023
WHO CAN APPLY?	CONSORTIA: MINIMUM 2 SMES OR SLIGHTLY BIGGER (TECH PROVIDER AND END USER)	1 SME OR SLIGHTLY BIGGER (END USER)
SCOPE	DEVELOPING, TESTING AND VALIDATING THE TECHNICAL AND ECONOMIC VIABILITY OF NEW TECHNOLOGIES IN LBAAM	PERFORM A TECHNICAL/ECONOMIC FEASIBILITY STUDY FOR THE IMPLEMENTATION OF LBAAM TECHNOLOGY
NO. SELECTED PER CALL	10	21
FUNDING	UP TO 150.000 EUR	UP TO 25.000 EUR
DURATION OF SUPPORT PROGRAM	13 MONTHS	3 MONTHS

→ **31 March!**

- **Technical and software support services**
  - Access to technical knowledge: product design, process optimization, interoperability, technology transfer, …
  - Access to infrastructure: equipment, demos, showrooms, prototyping, scale-up, …
  - Digital maturity: value chain analysis, skill assessment, knowledge management, certification, …
  - Software as a service: path planning & CAM, process optimization, visualisation, …
- **Business support services**
  - Business model development
  - Access to finance
  - Mentoring , scouting, brokerage
- **Trainings**
- **Community**
- **Partnership**

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How can I profit from PULSATE?

Find partner for experiment open call (TTE) @ matchmaking event

Collaborate with PULSATE

Join a technical webinar

Access training material

Become an evaluator for the open calls

SME/Slightly Bigger Technology Provider

SME/ Slightly Bigger Technology Adopter

Research Technology Organization (RTO)

Individual Technology Expert

Digital Innovation Hub

Join the PULSATE Digital Agora

Get funded in LBAAM Technology development (TTE)

Get funded for LBAAM adoption assessment (AUC)

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Join the discussions with the PULSATE community

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