



Lightme

An Open Innovation Ecosystem for upscaling production  
processes of lightweight metal alloys composites  
**Project LightMe**

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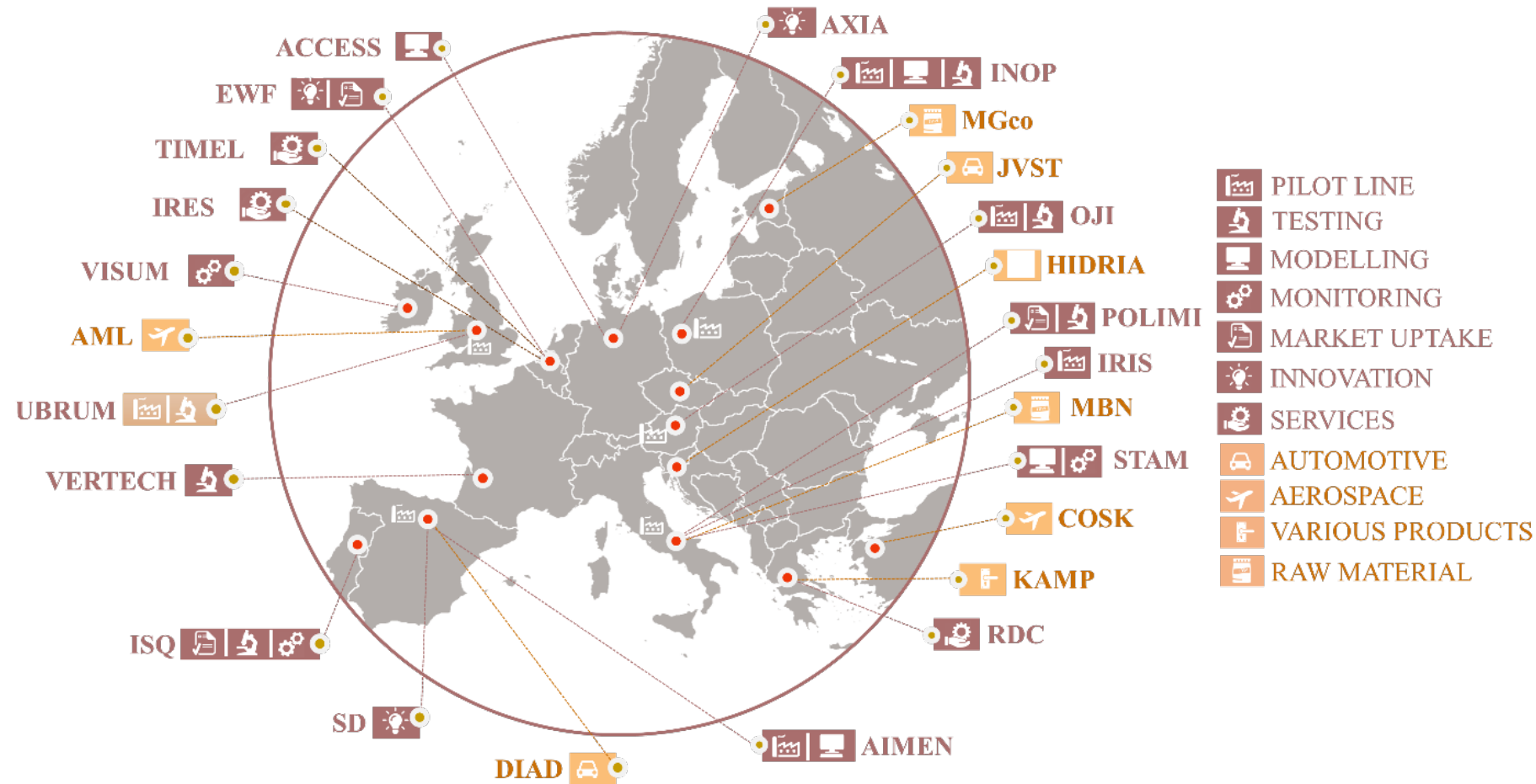
Researcher at **Riga Technical University**

**Industry 4.0**

Tallinn 2019

# Key facts

- The budget M€ 13,1
- Period 2019 – 2022
- 25 partners
- 15 countries



The *LightMe* project aspires to be a point of reference for boosting innovation in the field of lightweight metal matrix nanocomposites setting up an Open Innovation Ecosystem (test bed) that will boost the introduction of new functionalities, features and capabilities to lightweight metals.

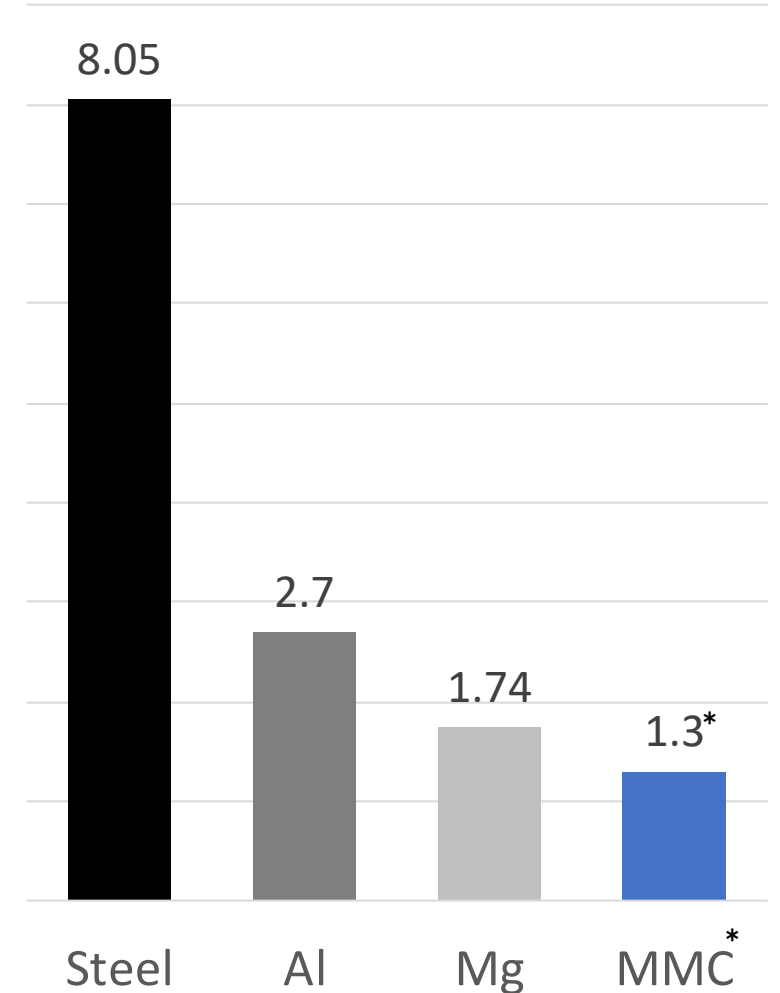
# The global need

In these industries, the use of **lightweight materials** and design is expected to grow even more in the coming decades. **Aviation** currently uses the **most lightweight** materials in terms of share, but, for the **automotive industry**, **the importance of lightweight will grow at the speed of light and the share of the lightweight materials used in production will more than double in the next 20 years.**

Development of innovative light alloys

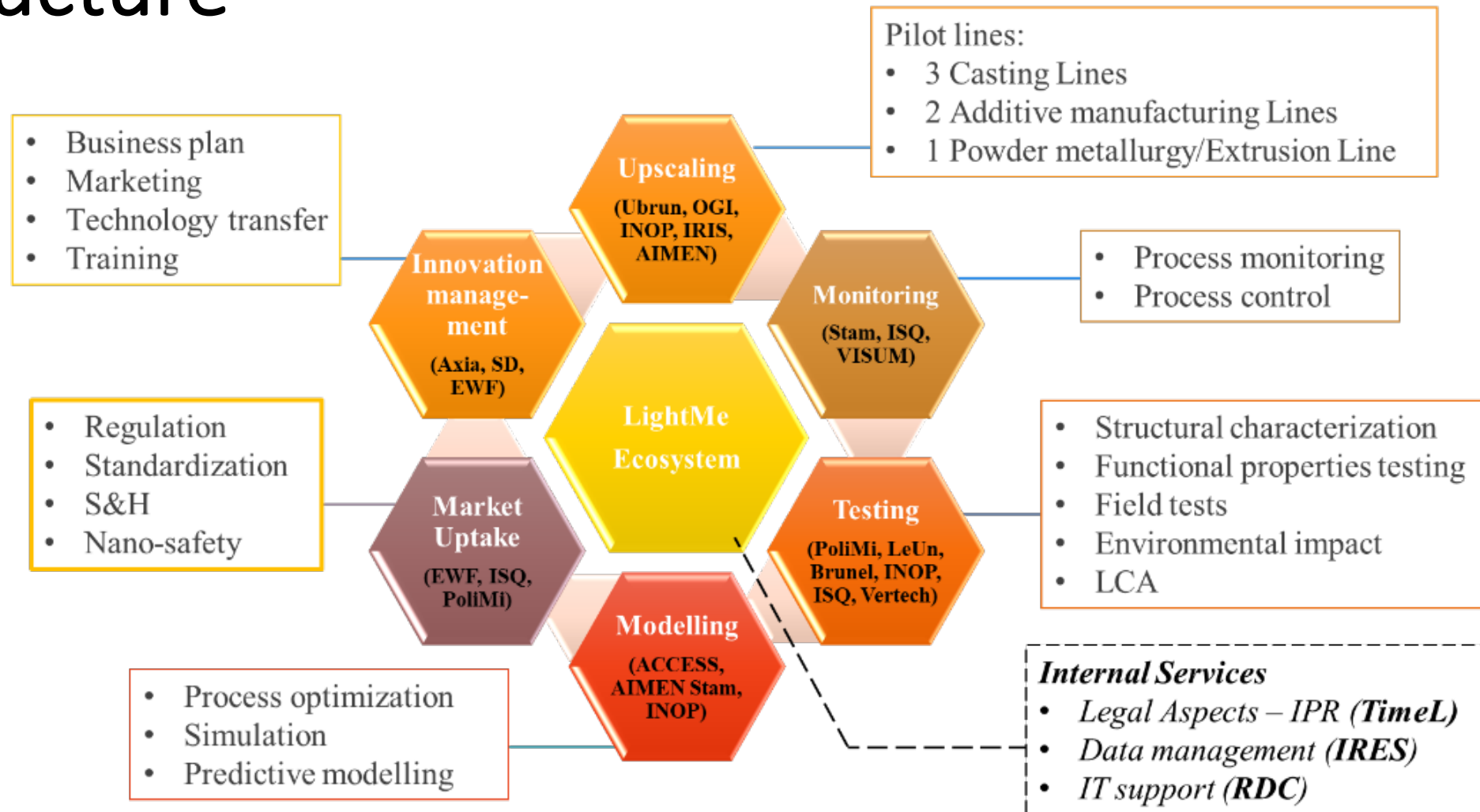


New aluminium and magnesium hybrid and reinforced materials



\* Reinforced Metal Matrix Composites

# LightMe open access innovation Ecosystem structure



Lets' START!

