AIRISE.EU

Project Overview

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LMS
Laboratory for Manufacturing Systems & Automation

Introduction

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 employs approximately 100 researchers.

- Participation in more than 180 EU R&D Projects
- Coordination of more than 50 EU R&D projects
- Organization of more than 10 International conferences
- Publication of more than 700 Scientific articles

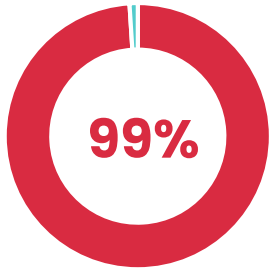
LMS

Laboratory for Manufacturing Systems & Automation

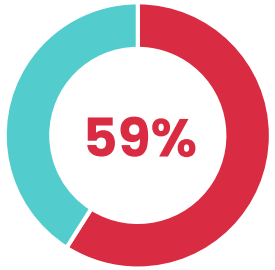
lms.mech.upatras.gr

AIRISE Motivation

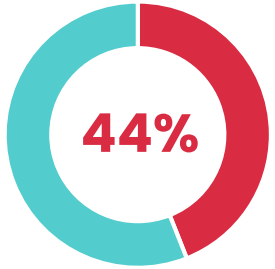
SMEs represent:



of total number
of industrial enterprises

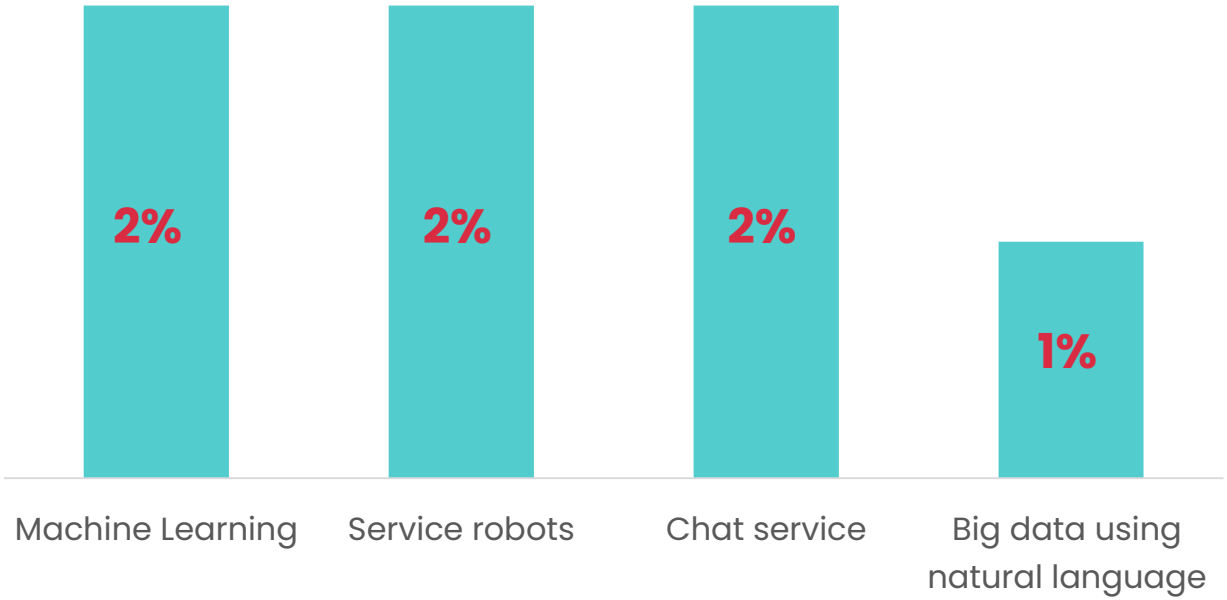


of total
employees



of manufacturing
sector value

Enterprises using AI in the EU *(2020)*



AIRISE Concept

AIRISE - *Artificial Intelligence in Manufacturing for Sustainability at SMEs*

Coordinator: Laboratory for Manufacturing Systems & Automation (LMS)

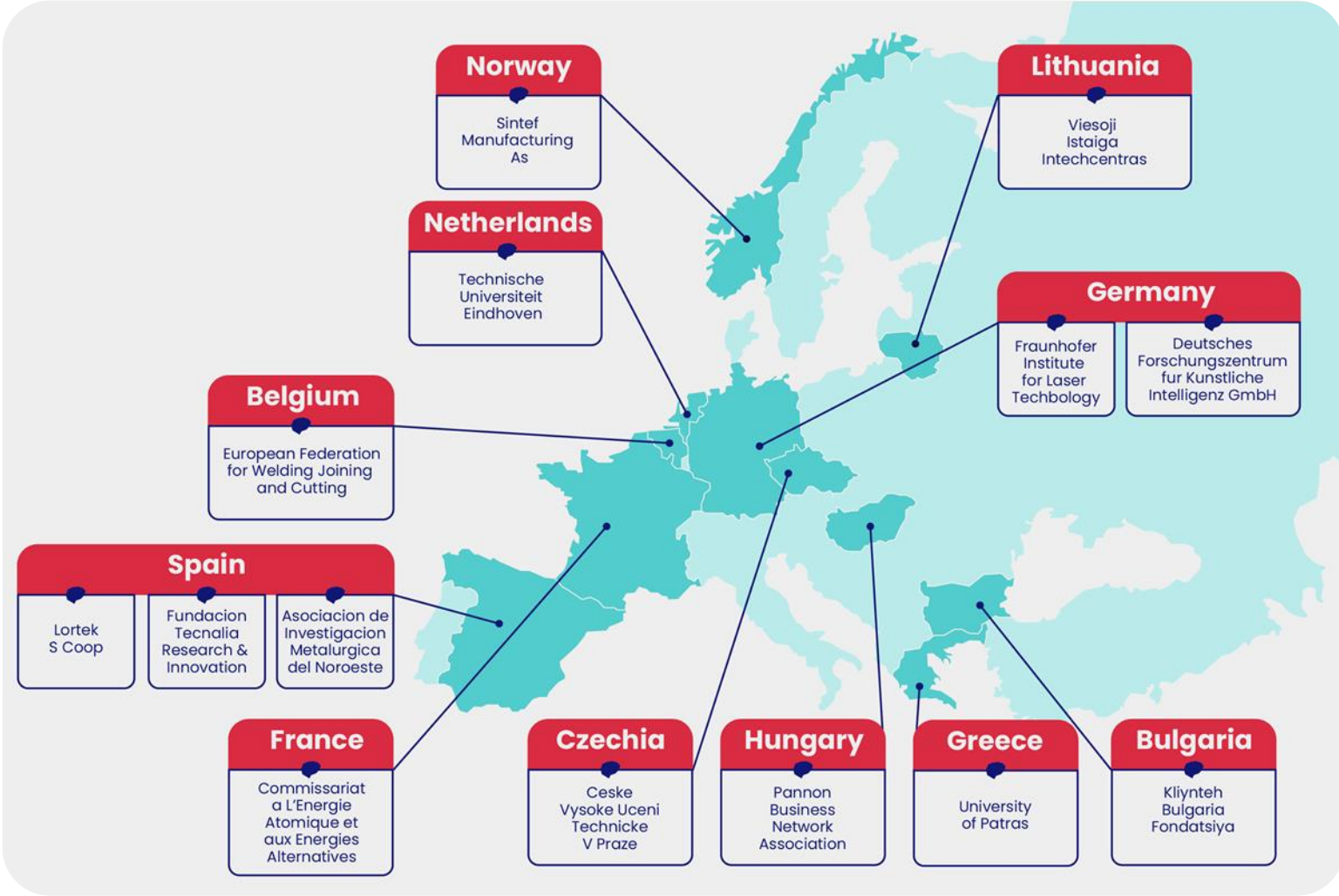
Duration: 42 months

EU contribution: € 7.738.776

14 partners

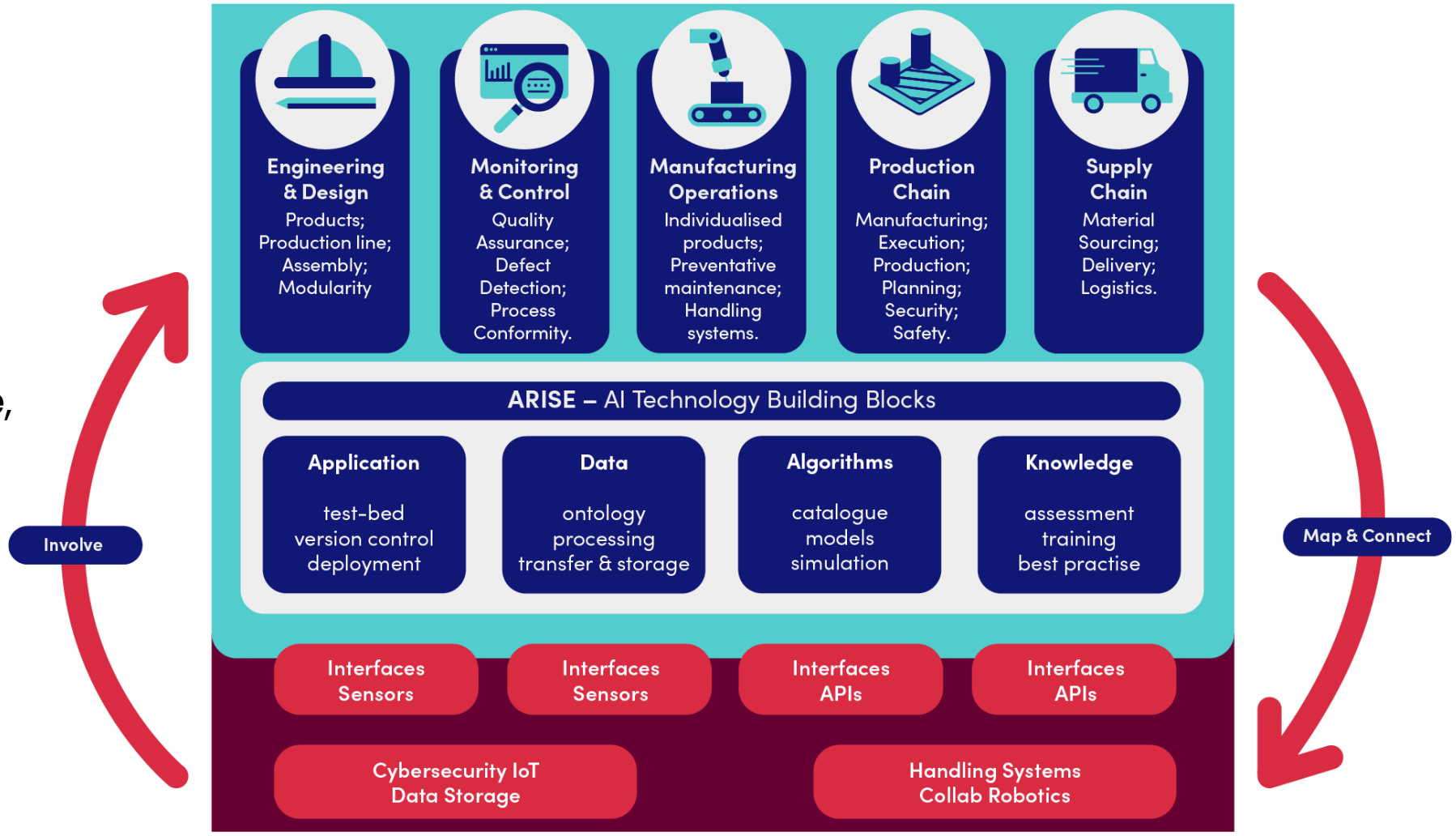
3 SME clusters/associations

11 Countries



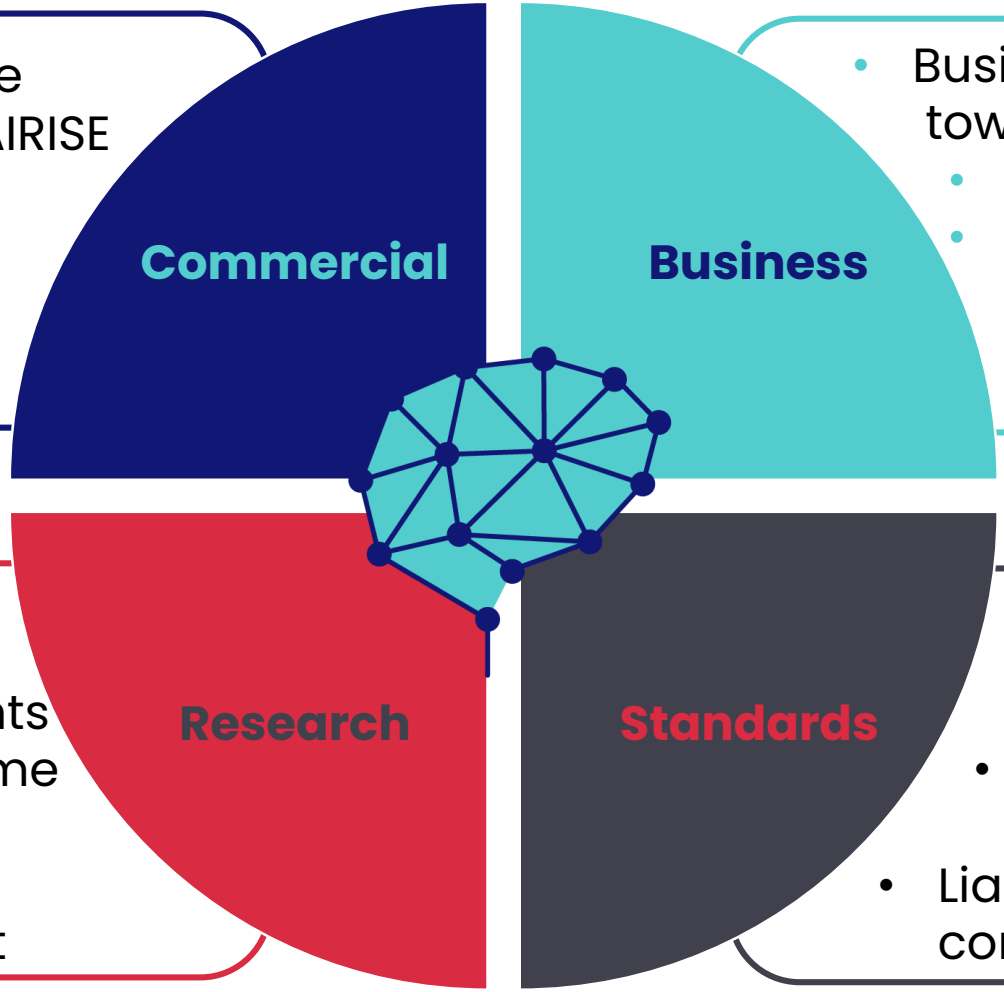
AIRISE Concept

AIRISE aims to create a framework to **support European SMEs** in the **uptake of Artificial Intelligence** applied in **manufacturing**, with a specific focus of the use of **AI-enabled applications at the edge**, focusing on a **reduction of waste and carbon footprint** while ensuring **resiliency**.



AIRISE Ecosystem

- Commercially available solutions to augment AIRISE
- Sensors
- IoT devices
- IT infrastructure
- Cloud services

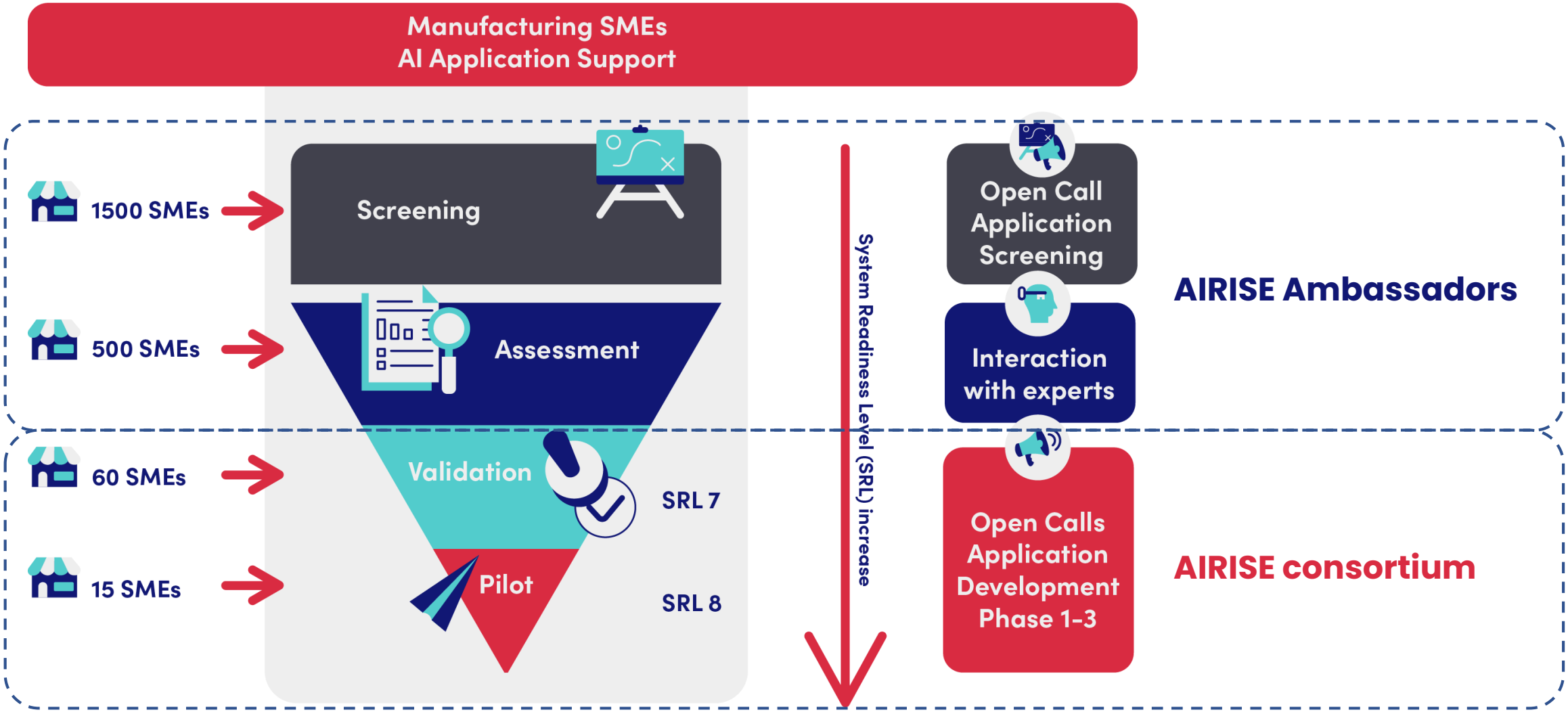


- Business-related services towards upscaling of AI
  - Strategy
  - Management
    - Access to finance
    - Legal services

- Cluster with other initiatives
- Cross-foster experiments
- Joint training programme
- Best practices sharing
- Joint dissemination
- Increase overall impact

- Mapping of applicable standards
- Identification of standardization gaps
- Liaison with standardization committees

AIRISE Approach



AIRISE Open Call for SMEs

Who can apply?

- Manufacturing SMEs that want to apply AI solutions in their shopfloor

What you need to do?

- Describe your challenge
- Outline how AI could help you solve it
- Outline a proposed implementation plan

What do you gain?

- AIRISE expertise and support up to 2 PMs offered as Services:
  - Design and Engineering
  - Process Monitoring and Control
  - Manufacturing Operations
  - Supply Chain
  - Training
- Financial support up to 40k EUR

Apply now!
airise.eu/calls

AIRISE Open Call for Ambassadors

Who can apply?

- SME clusters, technological associations or business registers

What you will need to do?

- Appoint 1-2 people for upskilling by receiving a 2-day training from AIRISE.
- Reach out to SMEs, inform them about AIRISE and discuss potential applications.
- Screen application ideas of your SME members with the help of the AIRISE screening tools.

What do you gain?

- Step into the world of AI in manufacturing.
- Receive 2 days of training on AI applications in manufacturing.
- Access to the AIRISE pack of materials – the ultimate checklist for guiding manufacturing SMEs in AI application.
- Drive a community of SMEs pioneering AI applications in your network.
- Expand the portfolio of competences and services by adding AI.
- Increase your organisation attractiveness.
- Expand the access to new funding opportunities for your SMEs at EU level.
- Receive financial support for the engagement in the activities.

Apply now!
airise.eu/calls

AIRISE Open Call for Evaluators

Who can apply?
- Individual AI experts

What you will need to do?
- Register through the AIRISE website and provide your CV.
- Assist in evaluating proposals, based on criteria laid out in the Open Call text.

What do you gain?
- Gain visibility on AI needs by SMEs.
- Receive financial support for the engagement in the activities.

Apply now!
airise.eu/calls

AIRISE

Thank you!

Any questions?

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