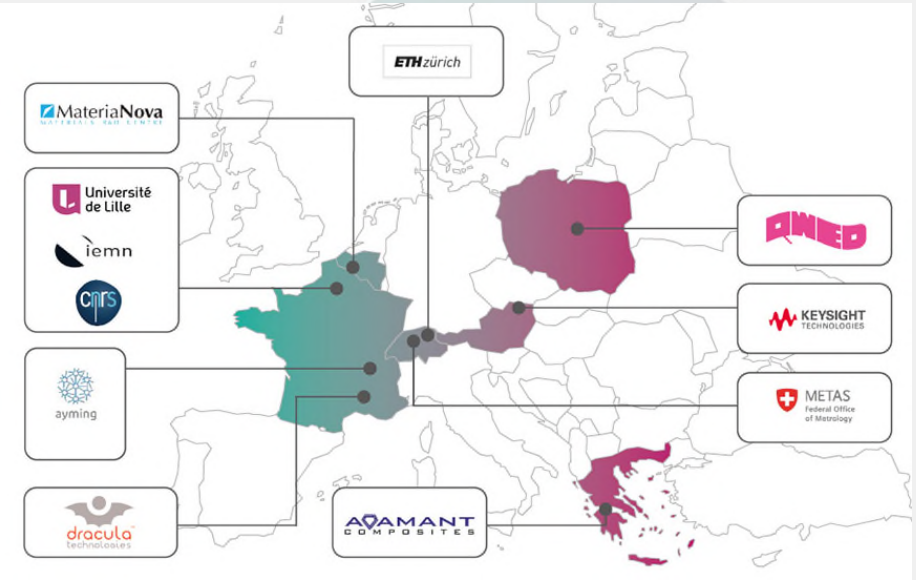
Consortium



- **Université de Lille – France**
- **Federal Institute of Metrology METAS - Switzerland**
- **QWED Sp.z o.o. – Poland**
- **Materia Nova ASBL – Belgium**
- **Swiss Federal Institute of Technology in Zurich (ETH) – Switzerland**
- **Keysight Technologies GMBH – Austria**
- **Dracula Technologies – France**
- **Adamant Composites Ltd. – Greece**
- **Ayming – France**

MMAMA

Microwave Microscopy for Advanced and Efficient Materials Analysis and Production

www.mmama.eu

Contact Details

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General Description

The MMAMA project aims at enabling advanced material analysis and boosting its quality and production efficiency thanks to the GHz measurement and modelling platform in a wide community

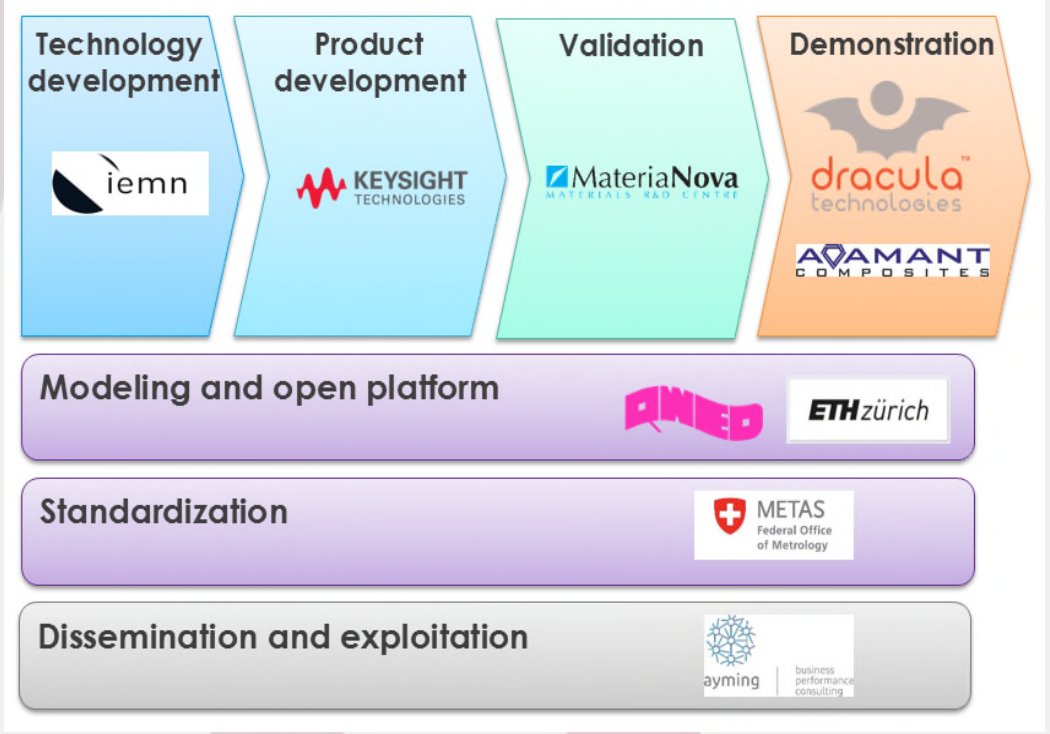
Ambition

Beyond R&D and demonstration of SMM interest at production scale, MMAMA will notably allow standardization of practices and :

- Allow **off-line & lab characterization** to generate data and application Database
- Monitor and compare **in-line** pilot with application Database to optimize material

Objectives

- Development of **Scanning Microwave Microscopy** (SMM) technology
- Establishing SMM new calibration routines
- Establishing electromagnetic 3D models and modules for advanced materials including **modelling platform**
- Validation of HF characterisation technology through the fabrication and the characterisation of **reference materials** and structures
- Demonstration of multi-scale **microwave imaging** technologies at **pilot scale** for **in-line and off-line production**
- Development of **standard operating procedures** and implementation of **open access environment**



MMAMA's value chain