Site visit
Robotics & AI and (Circular) Semiconductors

John Blankendaal

Managing Director
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Brainport Industries & Brainport Industries Campus

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1. COOPERATE IN INTERNATIONAL PRODUCTION NETWORKS
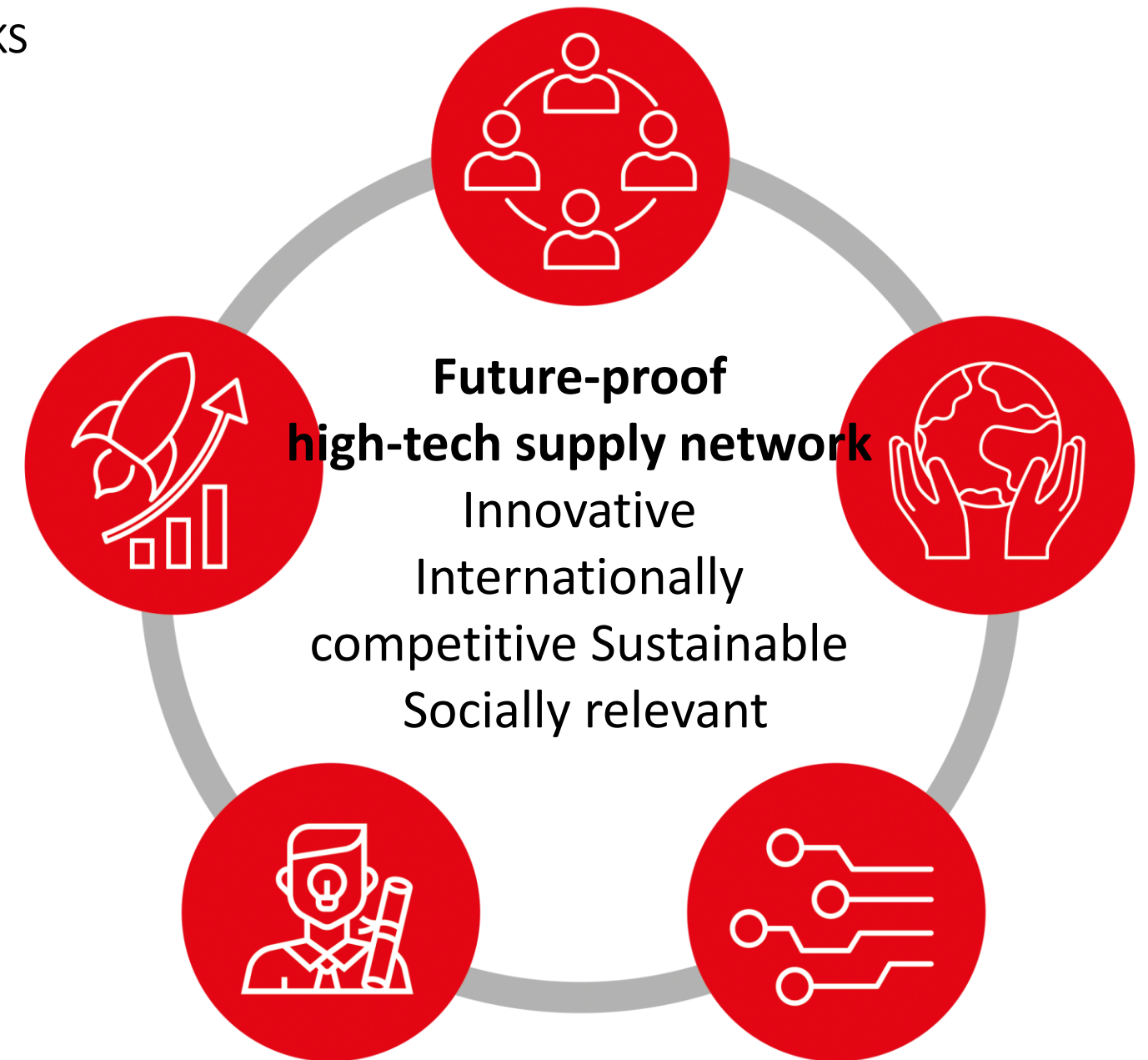
2. SOCIAL TRANSITIONS AND SUSTAINABILITY

3. DIGITISATION AND PRODUCTION TECHNOLOGY

4. HUMAN CAPITAL

5. ACCESS TO GROWTH AND WORKING CAPITAL

**Future-proof
high-tech supply network**
Innovative
Internationally
competitive Sustainable
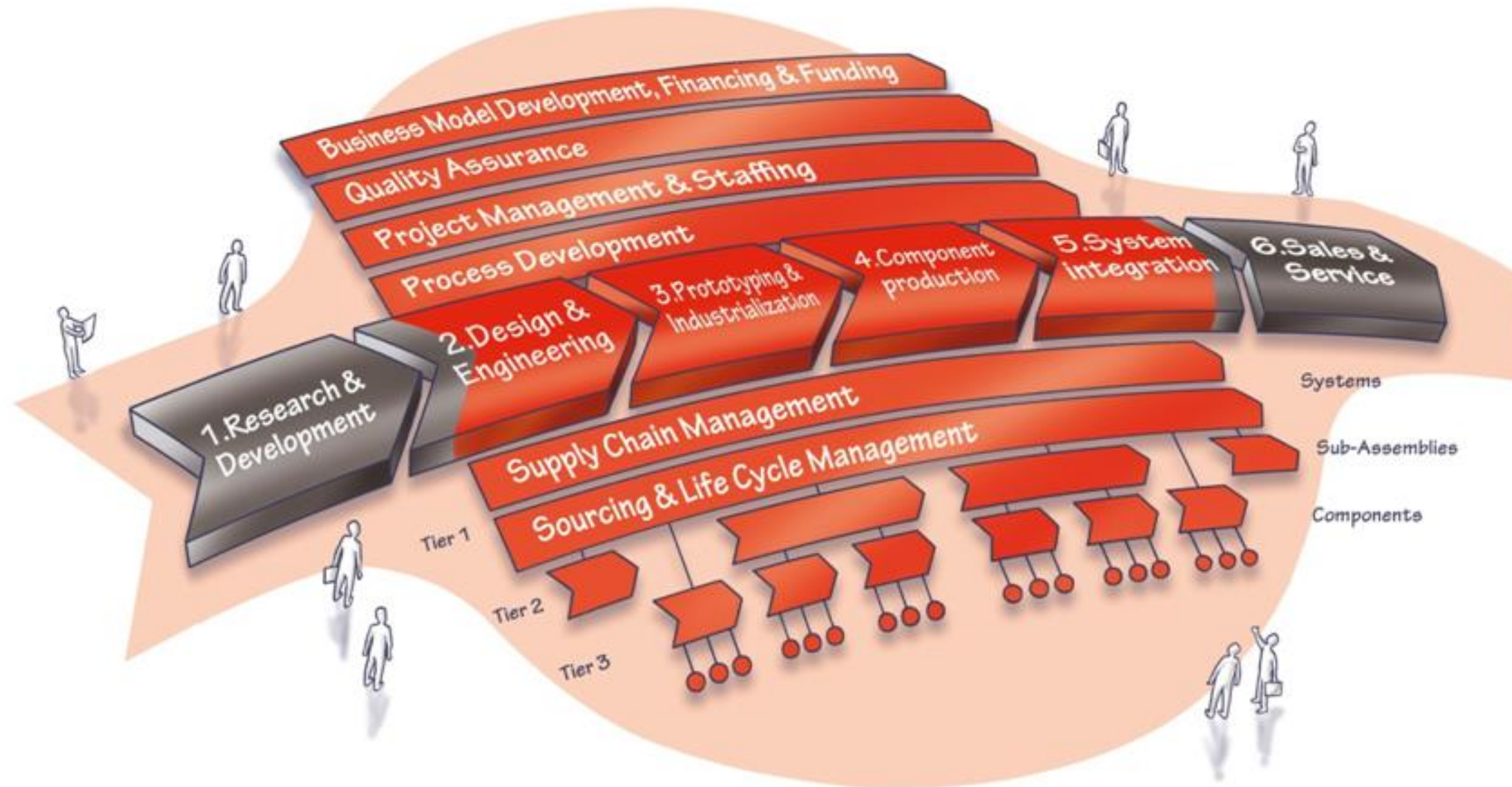Socially relevant

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The overall competitiveness of individual companies, OEMs and suppliers, is highly driven by the performance of the entire value chain and network.
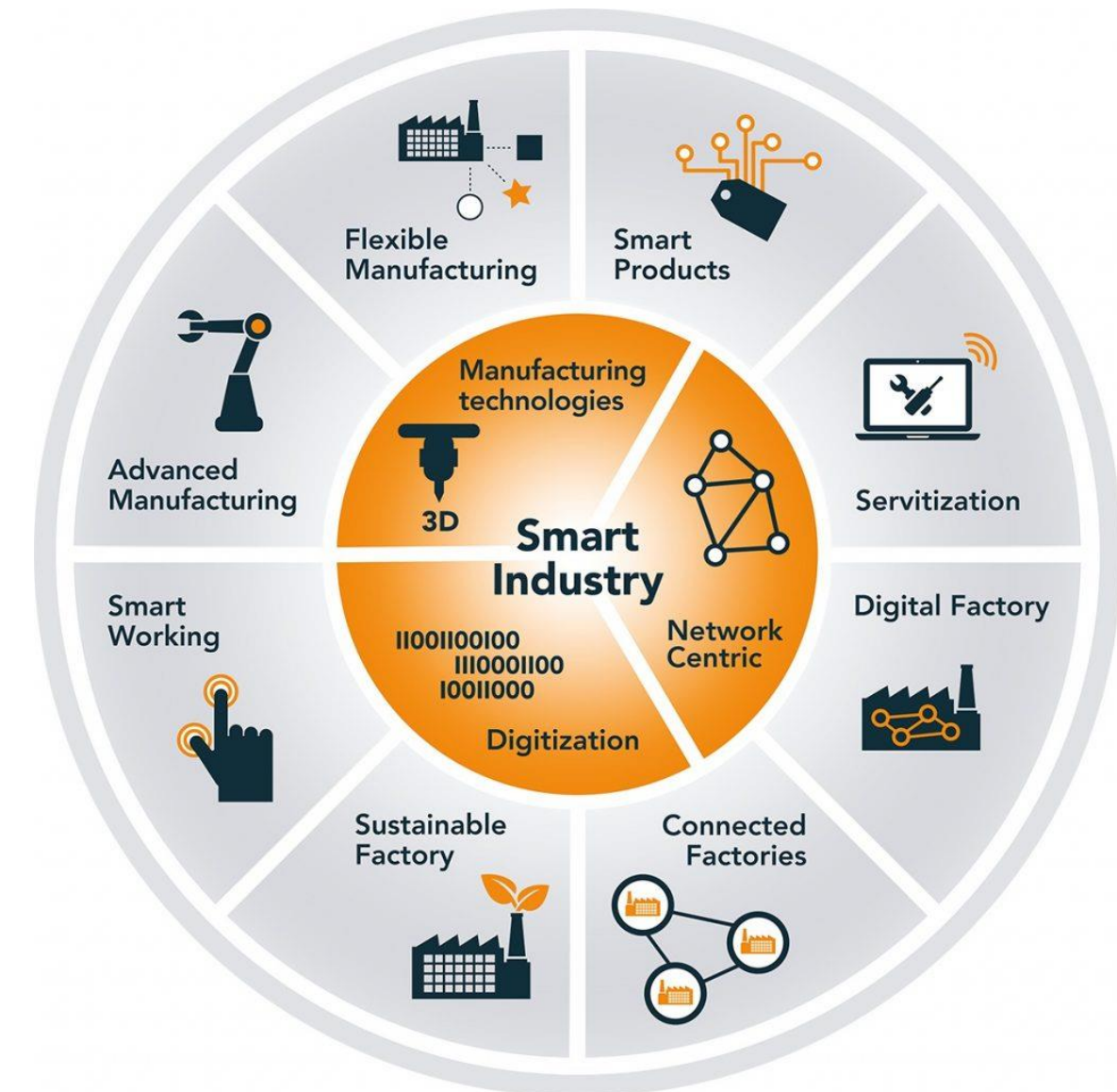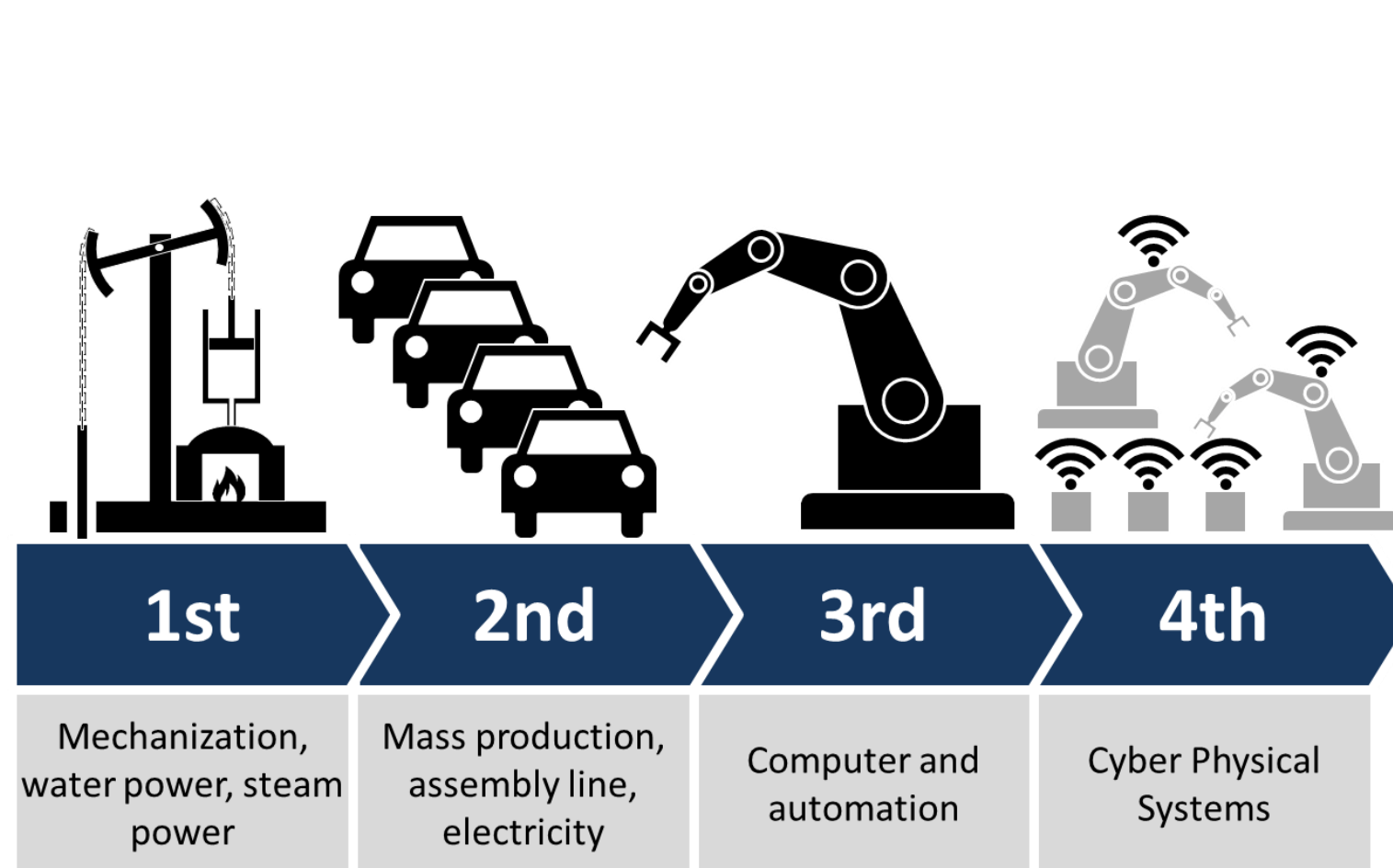
To remain competitive in a strong international playing field, collaboration for the high-tech manufacturing industry is essential.
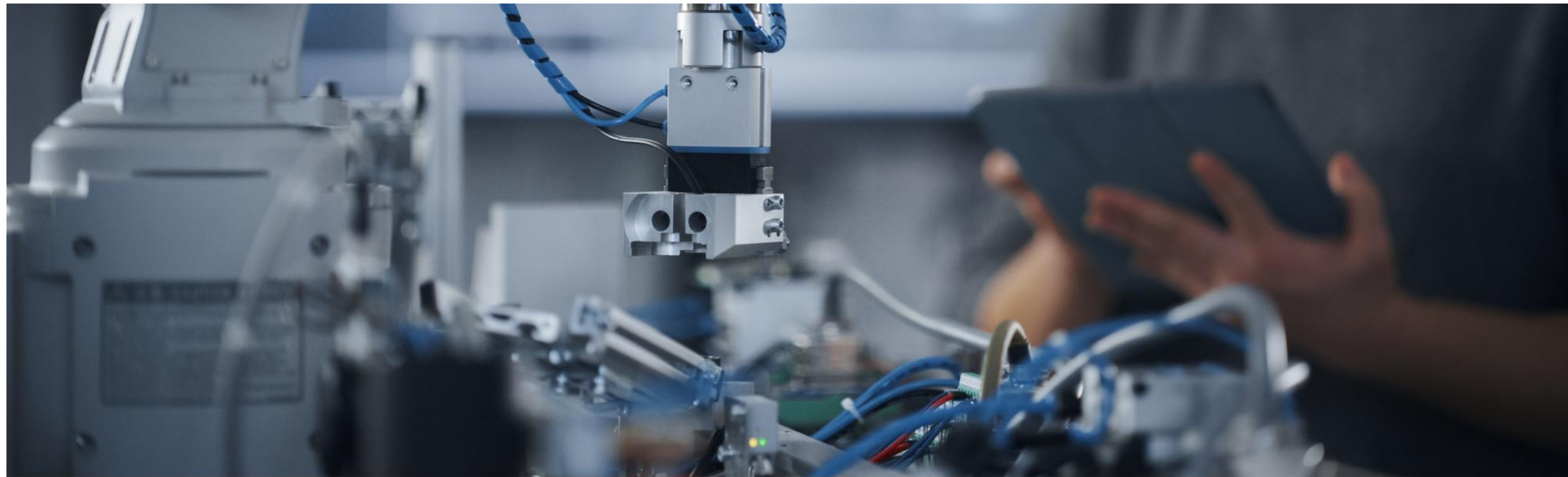
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AI MAnufacturing Testing and experimenTation network For EuRopean industrieS

AI-MATTERS- The Manufacturing TEF

EUROPEAN CLUSTER COLLABORATION PLATFORM

European Commission

AgriFood Capital

BRAINPORT EINDHOVEN

Provincie Noord-Brabant

NEXT GEN EU

AI-Matters Services: Key topics

Human-Robot Interaction
Creating efficient, safe collaborations between workers and robots to increase productivity, reduce error rates and improved worker safety
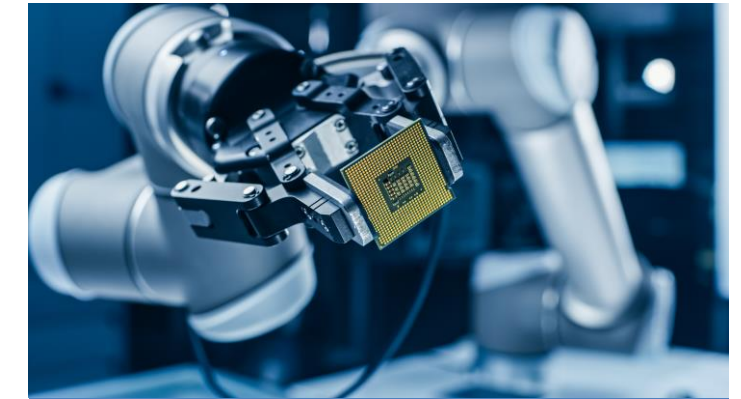
Factory level optimization
Leveraging advanced technologies and process improvements to streamline operations towards enhancing efficiency, minimizing waste, and boosting productivity

Circular economy
Minimizing waste and making the most of resources, designing products for longevity, reuse, and recyclability, developing sustainable production processes
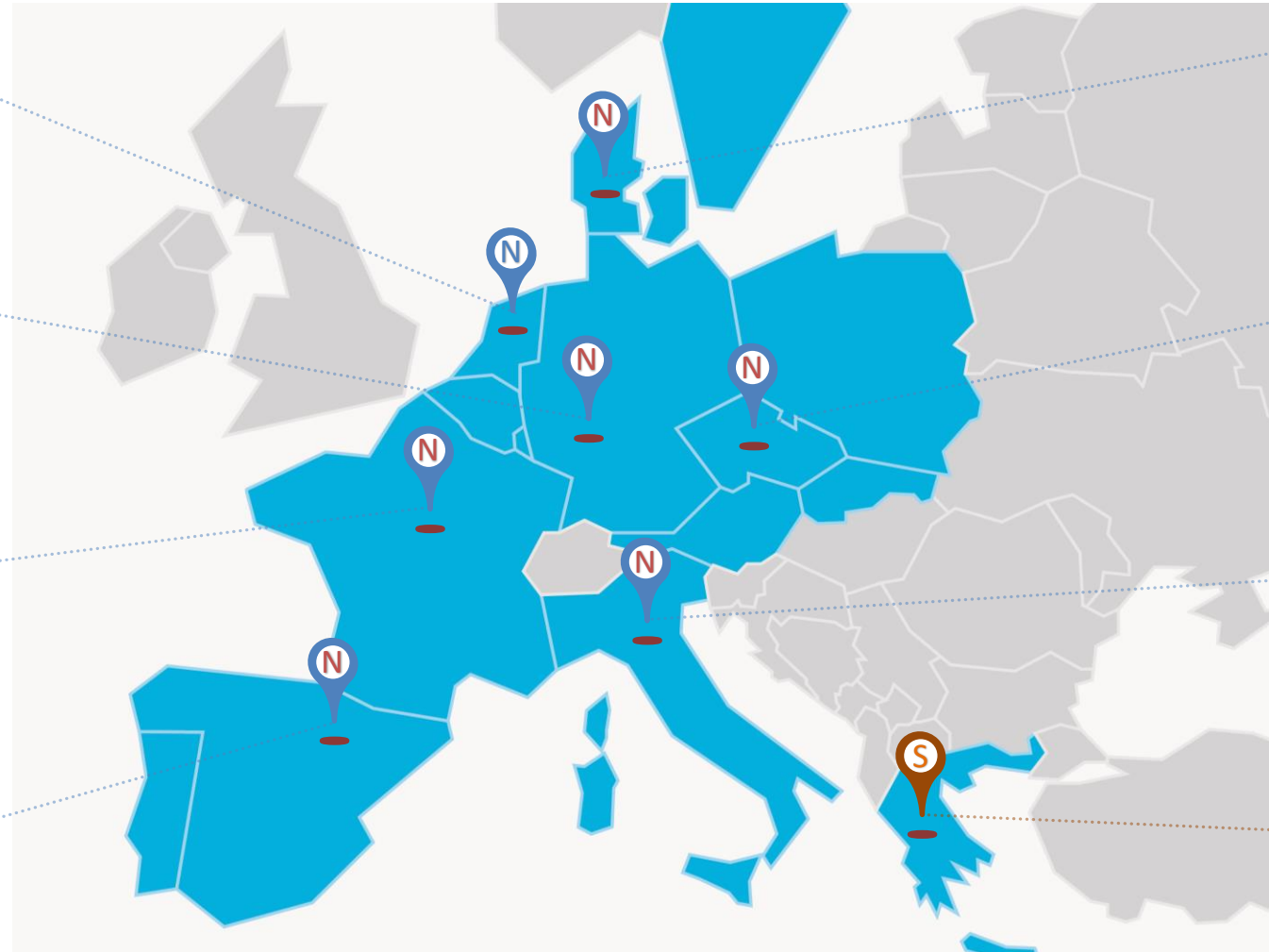
Other upcoming and enabling technologies
Integrating innovative tools and systems that support and enhance manufacturing processes and facilitate smarter production, supply chain efficiency and product innovation

AI-MATTERS team works on a web-based service catalogue to be available at:
https://ai-matters.eu/services-catalog/

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AI-Matters Network

**7 Nodes**   **1 Satellite**

TNO innovation for life
Brainport Industries
TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

Fraunhofer   **ARENA**2036
PTB Physikalisch-Technische Bundesanstalt National Metrology Institute
Universität Stuttgart

Network coordinator

cea   **list** cea tech

tecnalia MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE
aimen TECHNOLOGY CENTRE
AFM MACHINE TOOL MANUFACTURERS AFM CLUSTER
ITAINNOVA INSTITUTO TECNOLÓGICO DE ARAGÓN

DANISH TECHNOLOGICAL INSTITUTE   **ODENSE robotics**

CZECH INSTITUTE OF INFORMATICS ROBOTICS AND CYBERNETICS CTU IN PRAGUE   **VSB TECHNICAL UNIVERSITY OF OSTRAVA**
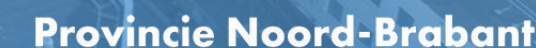**BRNO UNIVERSITY OF TECHNOLOGY**   **CEITEC** Central European Institute of Technology BRNO | CZECH REPUBLIC

MADE Competence Center I4.0   **FBK FONDAZIONE BRUNO KESSLER** FUTURE BUILT ON KNOWLEDGE

LMS Laboratory for Manufacturing Systems & Automation

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European Projects & Initiatives

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