



MANUSQUARE

MANUFACTURING ecoSYSTEM of QUALIFIED RESOURCES EXCHANGE

PROJECT OBJECTIVE |

To deploy a European Platform-enabled marketplace fostering a **dynamic establishment of value networks, enabling the matching of the availability and demand of manufacturing capacities and thus rendering an Industry's optimal utilization of unused installed capacities**, that would be otherwise remain unutilized.

KEYWORDS |

Business Strategies; Business Models; Supply Chain Management; Business Support Services; Marketplace; Servitization; Resource-efficiency.

WEBSITE |

www.manusquare.eu

CONSORTIUM |

- SUPSI [CH]
- HOLONIX [IT]
- SINTEF [NO]
- INNOVA [IT]
- IBM ISRAEL [IL]
- INESC TEC [PT]
- PRODUTECH [PT]
- JPM [PT]
- INNOVHUB [IT]
- SIA ICOTTON [LV]
- TRUDEL [CH]
- CSEM [CH]

CONTACTS |

Andrea BETTONI
SUPSI – Scuola Universitaria
Professionale della Svizzera Italiana
andrea.bettoni@supsi.ch
+41 (0)58 666 65 66

MORE INFORMATION |

Funding Programme: Horizon 2020
Topic: NMBP-22-2017 - Business models and industrial strategies supporting novel supply chains for innovative product-service
Project Number: 761145
Start Date: 01.01.2018
Duration: 36 Months
Investment: 3.956.188,75 Euros
EC Funding: 3.956.188,75 Euros

JOIN OUR COMMUNITY



INDUSTRIAL CHALLENGES|

Market dynamics, in contrast to installed capacities and capabilities, are by nature in continuous change and characterized by fluctuations.

Companies' ability to address to market opportunities is often limited by installed capacity and to their ability to pull and integrate available resources and capabilities from their ecosystem.

Investment cycles and the associated rigidity of in-house installed capacities and capabilities if, on the one hand, may impose the inability to respond to market opportunities, may well, on the other hand, render situations of unoptimized monetization of investments, via the inability to dynamically allocate unused capacities, by-products and capabilities.

THE MANUSQUARE SOLUTION |

MANUSQUARE Project aims to create a platform-enabled marketplace that brings available manufacturing capacity and resources, closer to production demand.

It will bring to life the tools, technologies and services, enabling the establishment of dynamic value networks, capable of being re-arranged, on-demand, to cope with the needs of both those that are seeking for specific manufacturing

capacities and those who have theirs available.

To fully achieve the Manufacturing-as-a-Service paradigm, a new platform-enabled market place is required, aggregating adequate tools, services and information resources that enable the matching and establishment of business relationships between industry's stakeholders.

BENEFITS & ADVANTAGES |

The project aims, therefore, the creation of a B2B ecosystem with safe data transactions and highly traceable supply networks, that will support:

- A sustainable matching between supply and demand of manufacturing capacity, knowledge, technologies and by-products;
- The access to unexploited market opportunities;
- The full exploitation of local capacities, complementarities and (unused) potential;
- The dynamic integration of companies in new value networks.

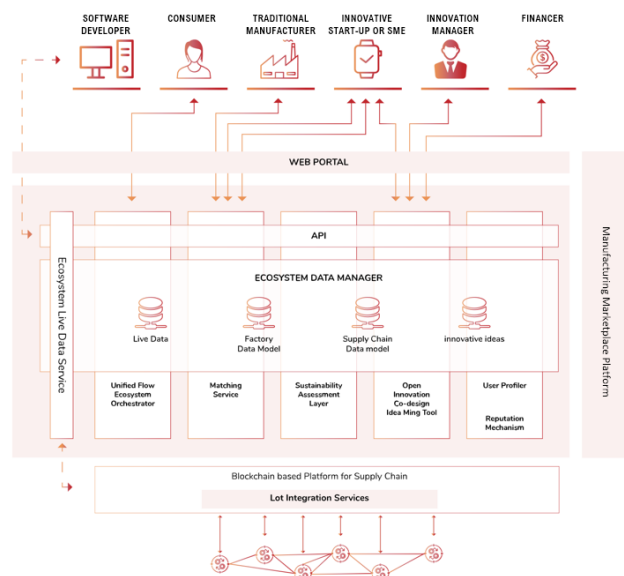


Fig. 1 – MANUSQUARE PLATFORM ARCHITECTURE

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 761145





MANUSQUARE

Extend Manufacturing Capacities

Access New Suppliers and Technologies

Monetize Unused Capabilities

A platform-enabled marketplace supporting the access to and monetization of unused manufacturing capacity, engineering and technology services and by-products

— Offer and Demand Matching

— RFQ & Transactions Management

— Certifications Management and Reputation Mechanism

— Blockchain infrastructure

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 761145

