



European Factory
Platform

EFPP Project and Platform

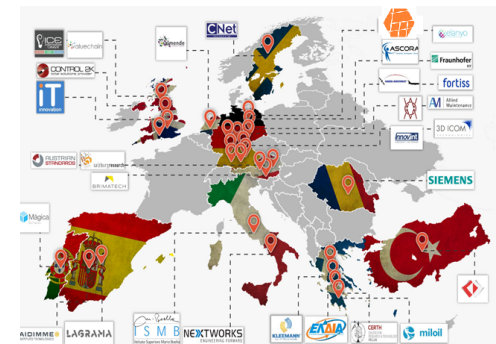
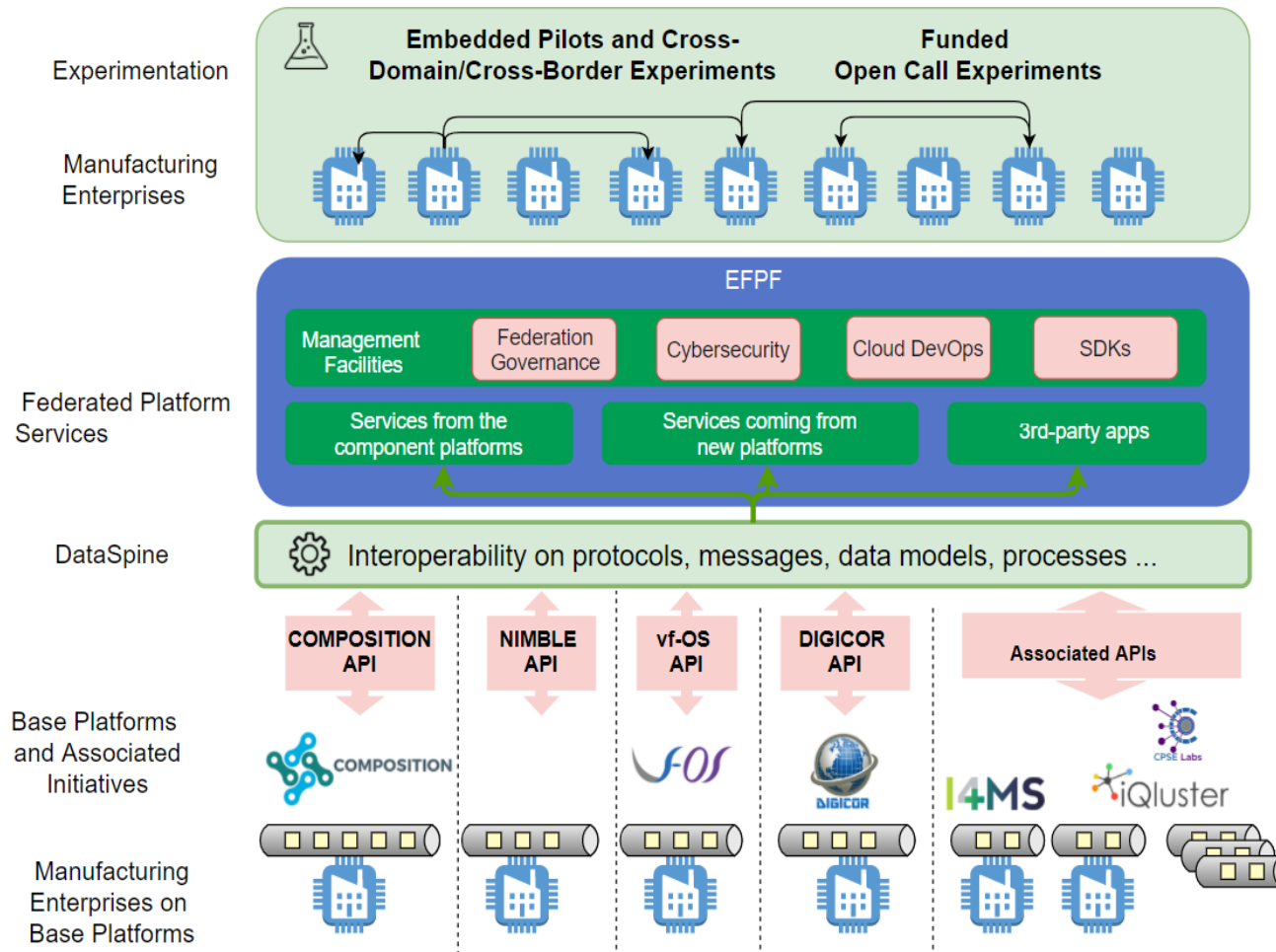
Usman Wajid
EFPP Project Manager

Information Catalyst (ICE)

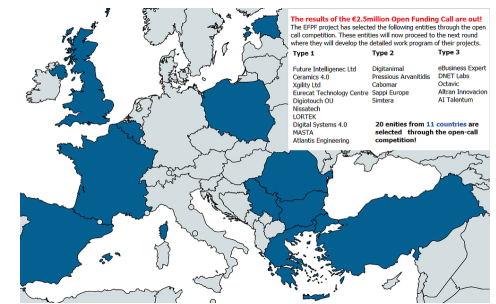


EFPP At a Glance

A federated smart factory ecosystem and a digital platform that interlinks different stakeholders of the digital manufacturing domain



2019-2022
30 Core
Partners



2021-2022
24 Open Call
Partners

EFPP Pilots and Use-Case Scenarios

Pilot 1: Aerospace Supply
Chain Digitalisation
HAW

completed

- Support for production in batch size 1 through agile cooperation and digital manufacturing solutions available in the EFPP federation

Pilot 2: Collaborative
Furniture Manufacturing
AID

completed

- Support for agile networking, monitoring and alerting, interoperable data exchange and smart contracting in domain-specific SME clusters

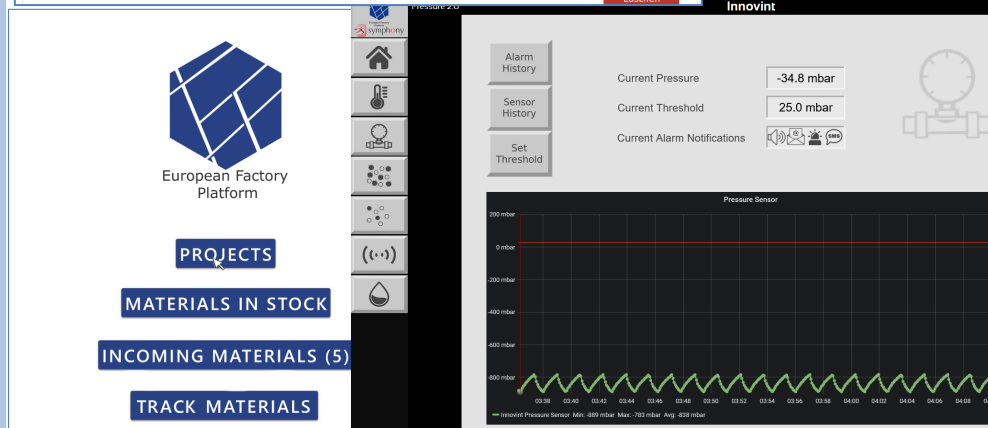
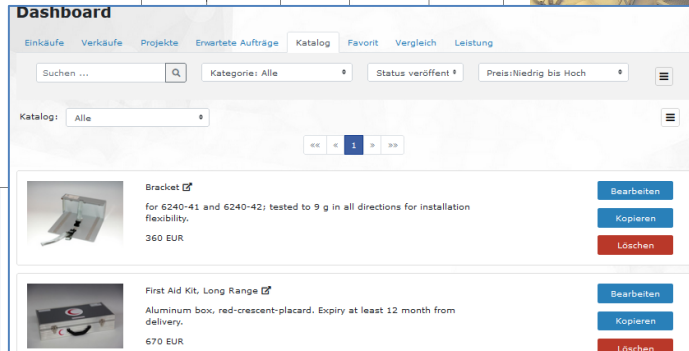
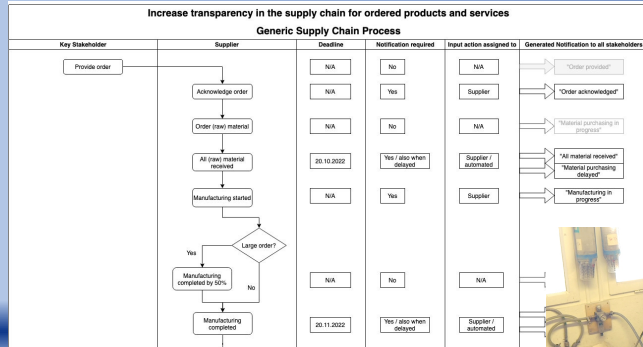
Pilot 3: Circular Economy
through Waste Management
KLE

completed

- Support for highlighting business opportunities, facilitating contract negotiations as well as more transparent regulatory and environmental impact assessment

Experimental Support

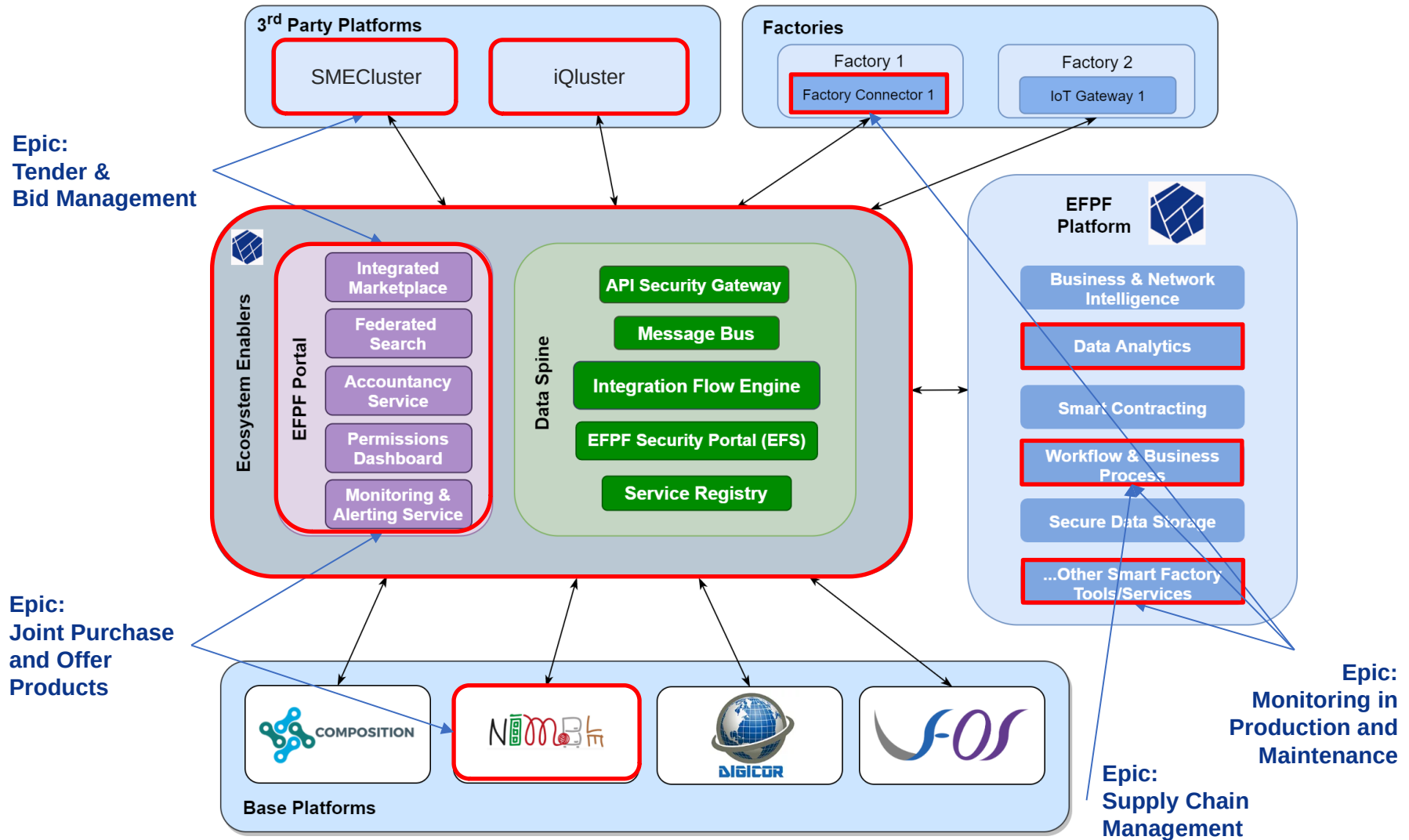
EFPP Data Spine has been recognised as
Business Ready Enabler of Industrial Ecosystem
by the EC Innovation Radar



Relevant Solutions

- **Efficient Resource Management** using IoT Gateways with monitoring and alerting services
- **Workplace Environment Monitoring** using EFPF Factory Connector and AI-based visual analytics
- **Distribution Workflows (WASP) for Supply Chain Visibility**
- **Product Catalogue Service** for B2B communications

Architecture and Interfaces for Solutions in the Aerospace Pilot



Aerospace Pilot: Demonstrator

<https://youtu.be/we0HPh9JLrU>



Search
Showing results 1 - 12 of 292

Laminated MDF board
Product / Service by: **Maderline Valencia**

Categories
Materials: **MDF boards** (Products) **Wooden materials**

Properties
Length: 200 cm
Width: 75 cm
Height: 5 cm

Negotiate & Order
Delivery Period: 1 working day(s)
Warranty: 2 year(s)
Incoterms: None
Payment Terms: PIA - Payment in advance
Payment Means: Credit Card
Price: 10.00 EUR per item(s)
Quantity: 1 Item(s)
Total Price: 10.00 EUR
Buttons: **Negotiate & Order**, **Request Information**

Process Designer
Negotiation Groups

Activities on World Wide Logistic Service
Product / Service: **World wide logistic Service**
Trading Partner: **Agility Logistics**
Status: **Call Center 151-26-27**
Actions: **See Quotation**

Activities on Assembly complements
Product / Service: **Assembly complement**
Trading Partner: **Refect Spain**
Status: **Call Center 911-11-11**
Actions: **See Quotation**

Activities on Laminated MDF board
Product / Service: **Laminated MDF board**
Trading Partner: **Maderline Valencia**
Status: **Call Center 151-26-27**
Actions: **See Quotation**

Lagrama Bedroom (Transport En Route)
Current: Reception of goods:
Carrier: Customer
Map showing location in Valencia

Shipment
Shipping of 12 packages that form a double room.
250 kg

LCA (Estimation)
Carrier-Net semi 2020
MLB002
Class: Euro 8
Distance: 140.37km
Fuel: 0.00litre
NOX: 0.00g
PM: 0.00g
HC: 0.00g
CO: 0.00g
CO2: 0.00g

Barcode Scanner Interface
INFO ETIQUETA
OF: 10/21
Etiqueta: 4060P1
Objeto: S.14818
Objeto: TRAS SIM EST.
Desc: 1456 BOX30
Color: Canyon
Tail: Canyon
Mides: L1456 x A133 x
Tail: G19
Mides: L1456 x A133 x
Final: G19
Anotació:
Es: **SI**
Perfilat?:
Tallat a: A2

INFO CANTO
Color: **Gris Vulcano**
Canto: **19**
Graix: **19**
Ruta: 1xN1 / 4x84 [L1+L2] X0,8 [A1+A2] X0,8 / 1xUnix

Seqüència	Màquina	L1	L2	A1	A2
1	B4	X0,8			
2	B4		X0,8		
3	B4				X0,8
4	B4			X0,8	

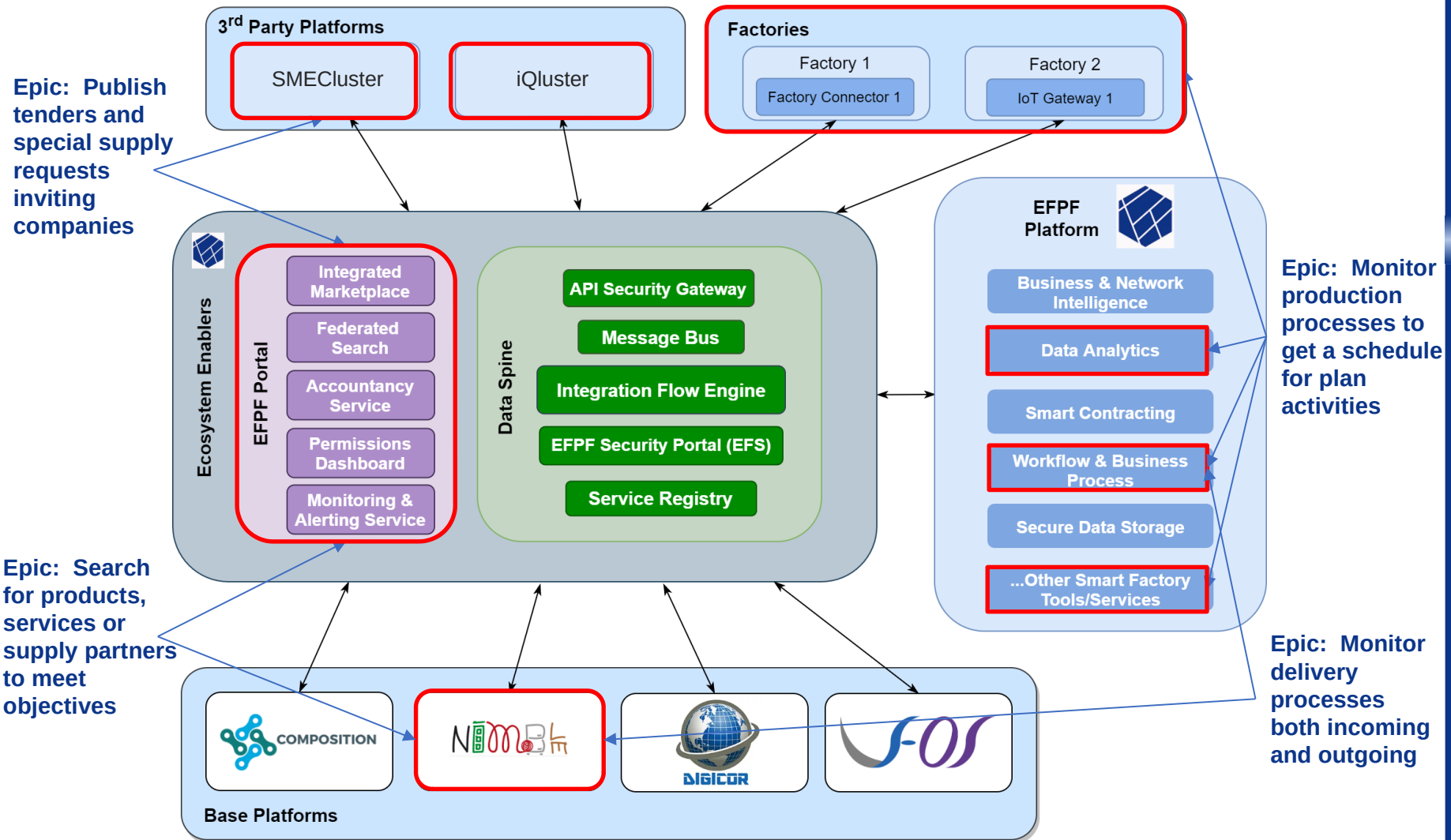
Sequència Actual: 1

AGRUPACIÓ SORTIDA FAMÍLIA

Relevant Solutions

- **Predictive Maintenance** using Factory Connector, risk management and data analytics
- **Bin Fill Level Monitoring** using Factory Connector with monitoring and alerting
- **Distribution Workflows** and supply chain management
- **Business and Networking Intelligence** using EFPF B&NI service

Architecture and Interfaces for Solutions in the Furniture Pilot

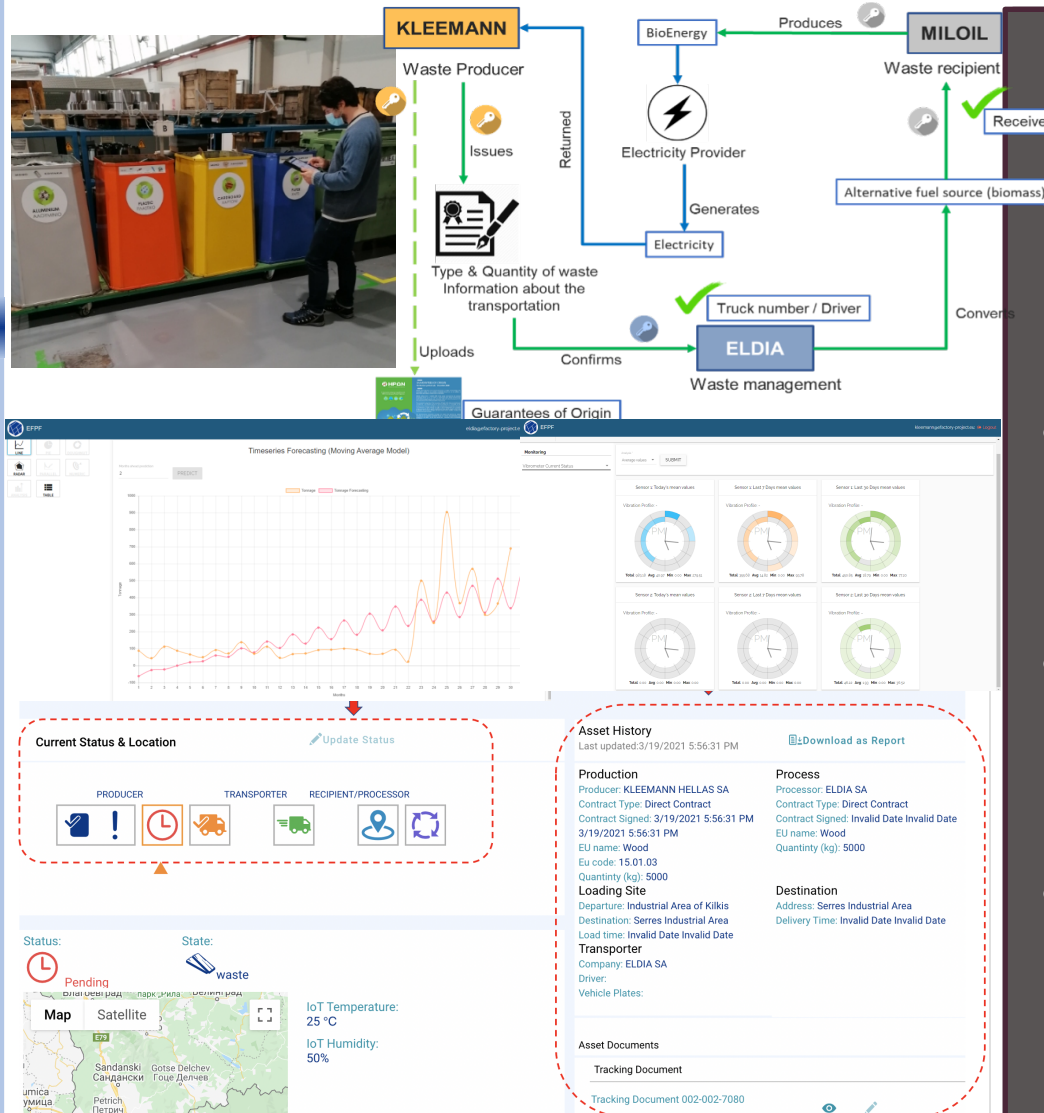


Furniture Pilot: Demonstrator

<https://youtu.be/pWRWgZjWCV8>



Circular Economy Pilot



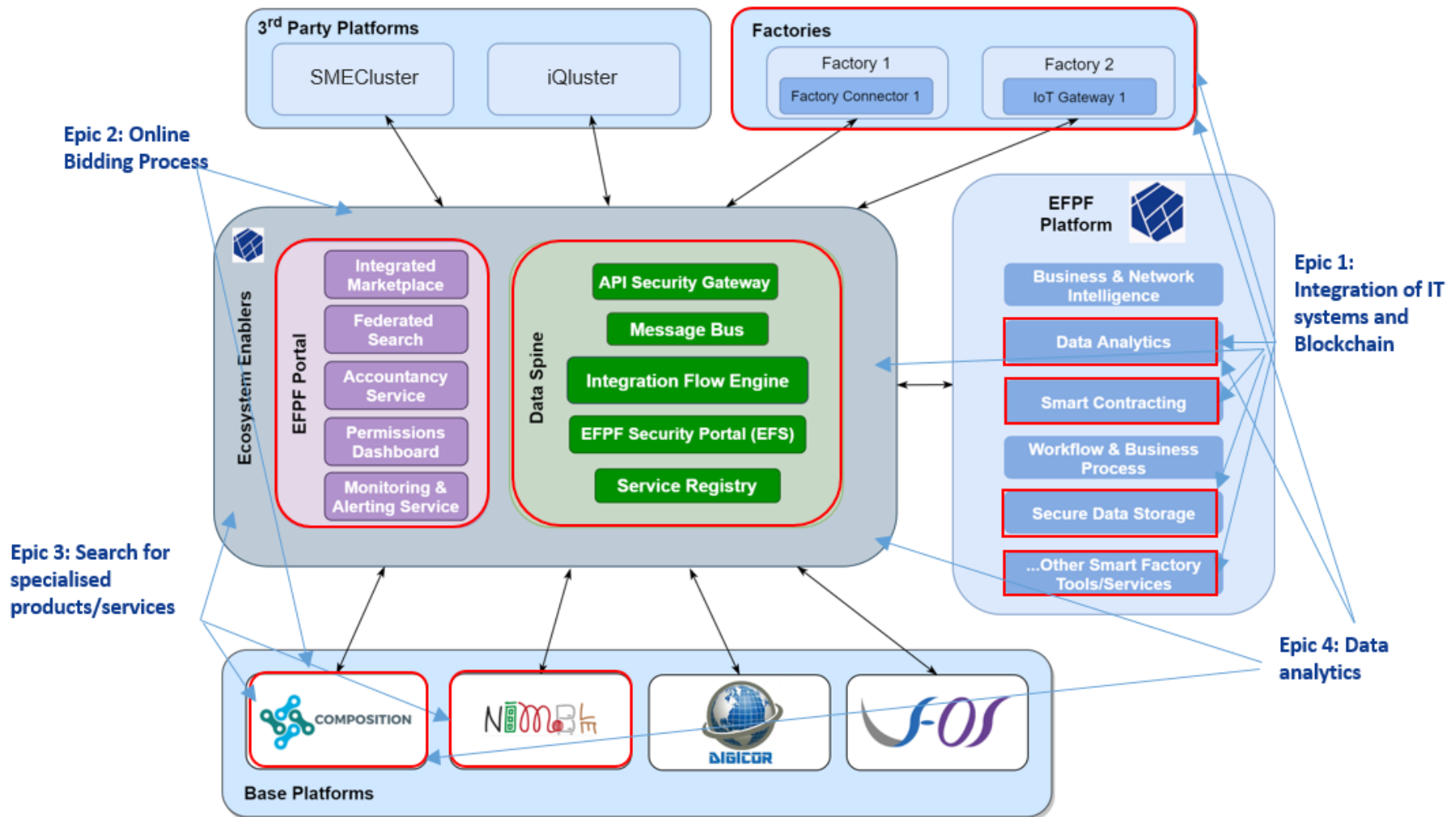
Relevant Solutions

Data Analytics using EFPP
Factory Connector and real-time
data analytic services

- Track and Trace of material and waste using Blockchain and mobile-based applications
- Online Bidding and Negotiation using agent based marketplace
- Monitoring and Alerting for Waste Bins using EFPP Factory Connector and real-time data analytic services



Architecture and Interfaces for Solutions in the CE Pilot



Circular Economy Pilot: Demonstrator

<https://youtu.be/TIajTMwCIQo>

Lessons Learned and Experimental Support



Lessons Learned and Benefits

- Technical and socio-technical support is available for experimentation activities
- Lessons learned are translated into deliverables and documentation
- Experimentation Call is currently open – details on the website

www.efpf.org



EFF - European Factory Foundation



- Austrian Association established 2019 in Vienna
- Owner and Operator of the federated EFPF Platform, and Coordinator of related ecosystem
- 13 founding members from manufacturing, logistics and ICT sectors (European industry, research and clusters)





European Factory
Platform

Thank you for your attention!

Usman Wajid

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