



Manufacturing Operations Management - The Smart Backbone of Industry 4.0

Vladimir Filipov



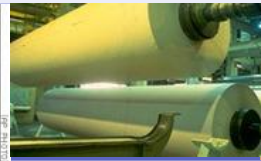
Minerals,
Mining



Primary
Metals



Metals
Processing



Pulp, Paper &
Printing



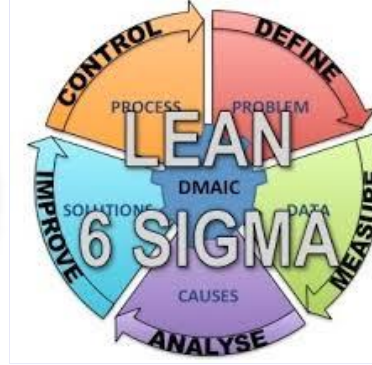
Chemicals



Pharmaceutical



Food
Beverages



Customers:



10 Years = 42 Projects
 10 години = 42 проекта

Partners: **Microsoft** Partner
 Silver Software Development



TÜVRheinland®
 Precisely Right.

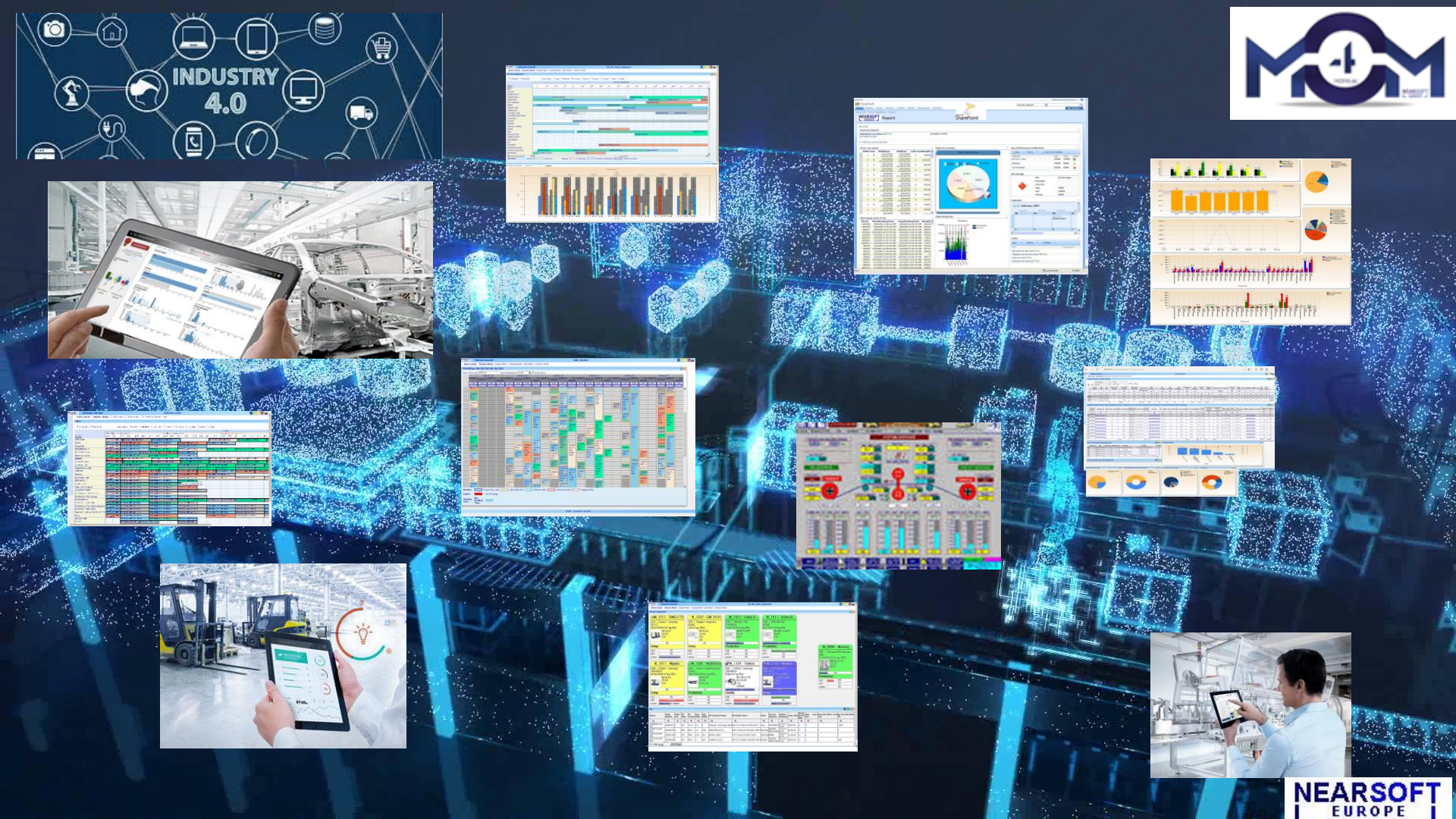
Technical University of Sofia
 We succeed!

Achievements:

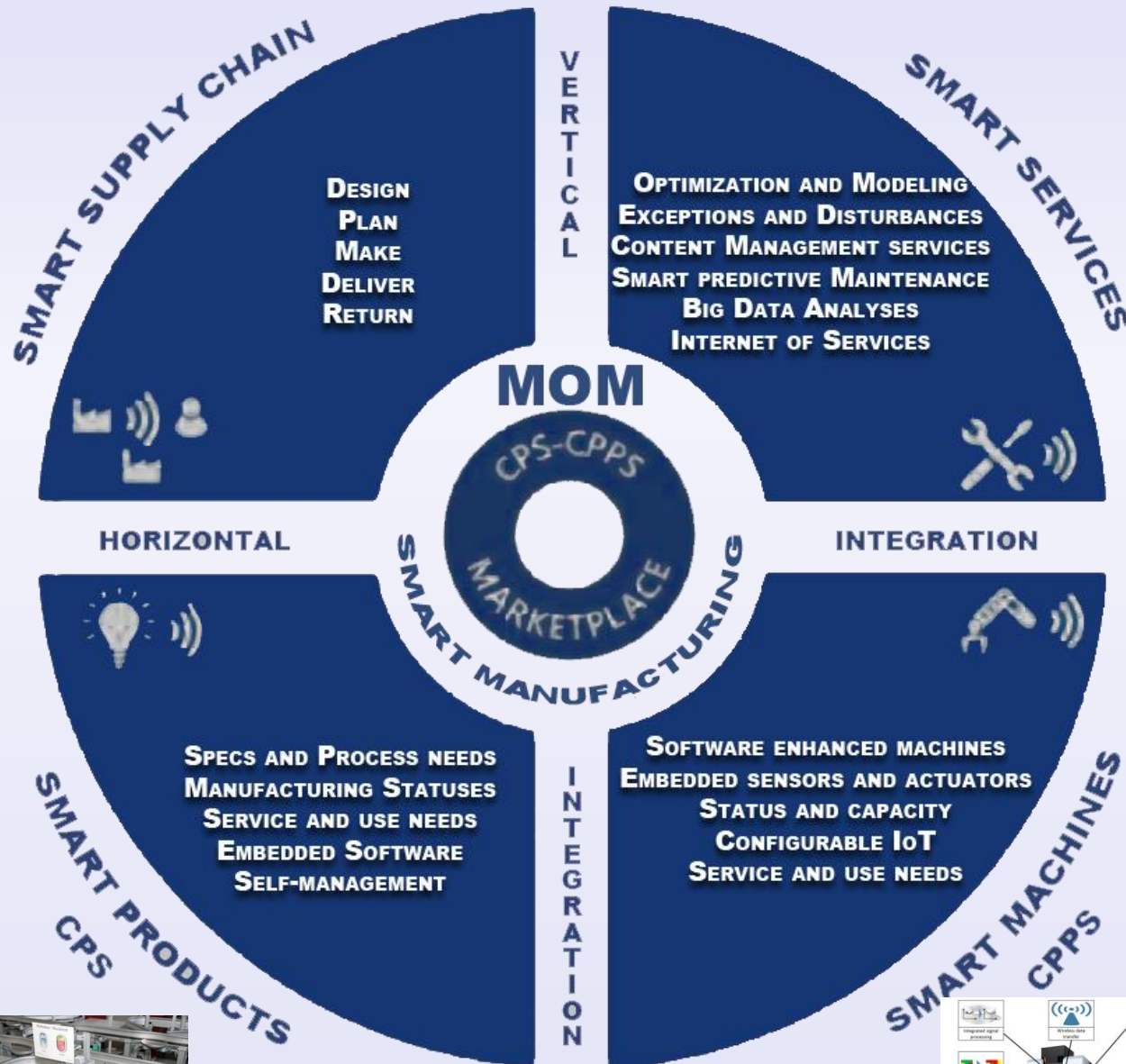


NearSoft offering the necessary services and tools for implementing management initiatives for digitalization of operational activities related to :

- **Manufacturing (APS, FCS, MES, PIMS, QMS, KPI,)**
- **Maintenance (CMMS, EAM, APM,).**



Our Project: MOM4 for Industry 4.0



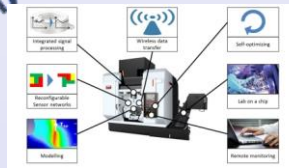
MOM4 covers:

- Final Capacity Scheduling
- Orchestrate the Workflow
- Collect and Store Big Data
- Smart Predictive & Condition-based Maintenance
- CPS-CPPS marketplace

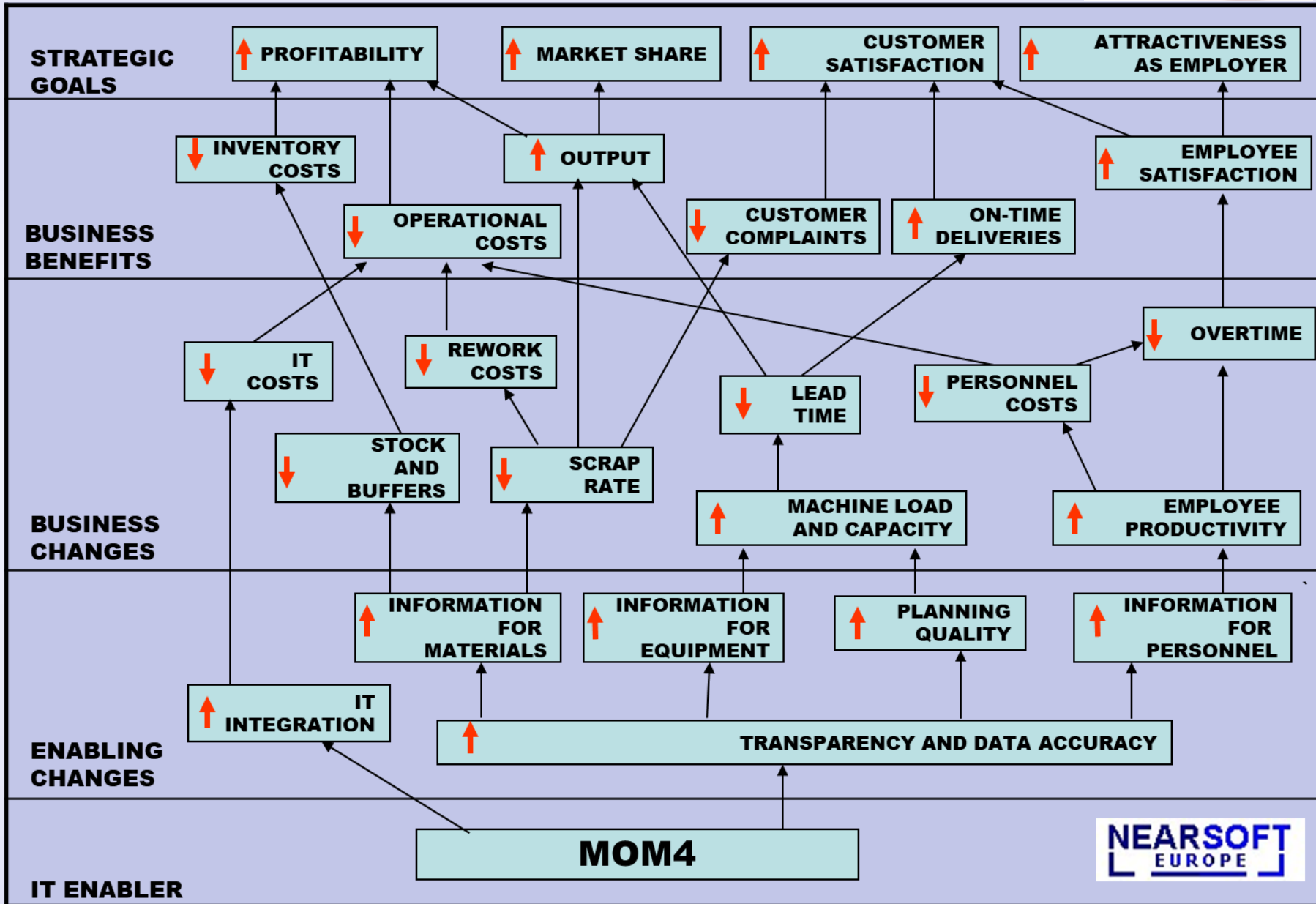
MOM4 characteristics:

- Decentralization
- Vertical Integration
- Horizontal Integration
- Connectivity (OPC UA)
- Sensing (RFID)
- Mobile (eCMS)
- Cloud Computing
- Advanced Analysis (Big Data)

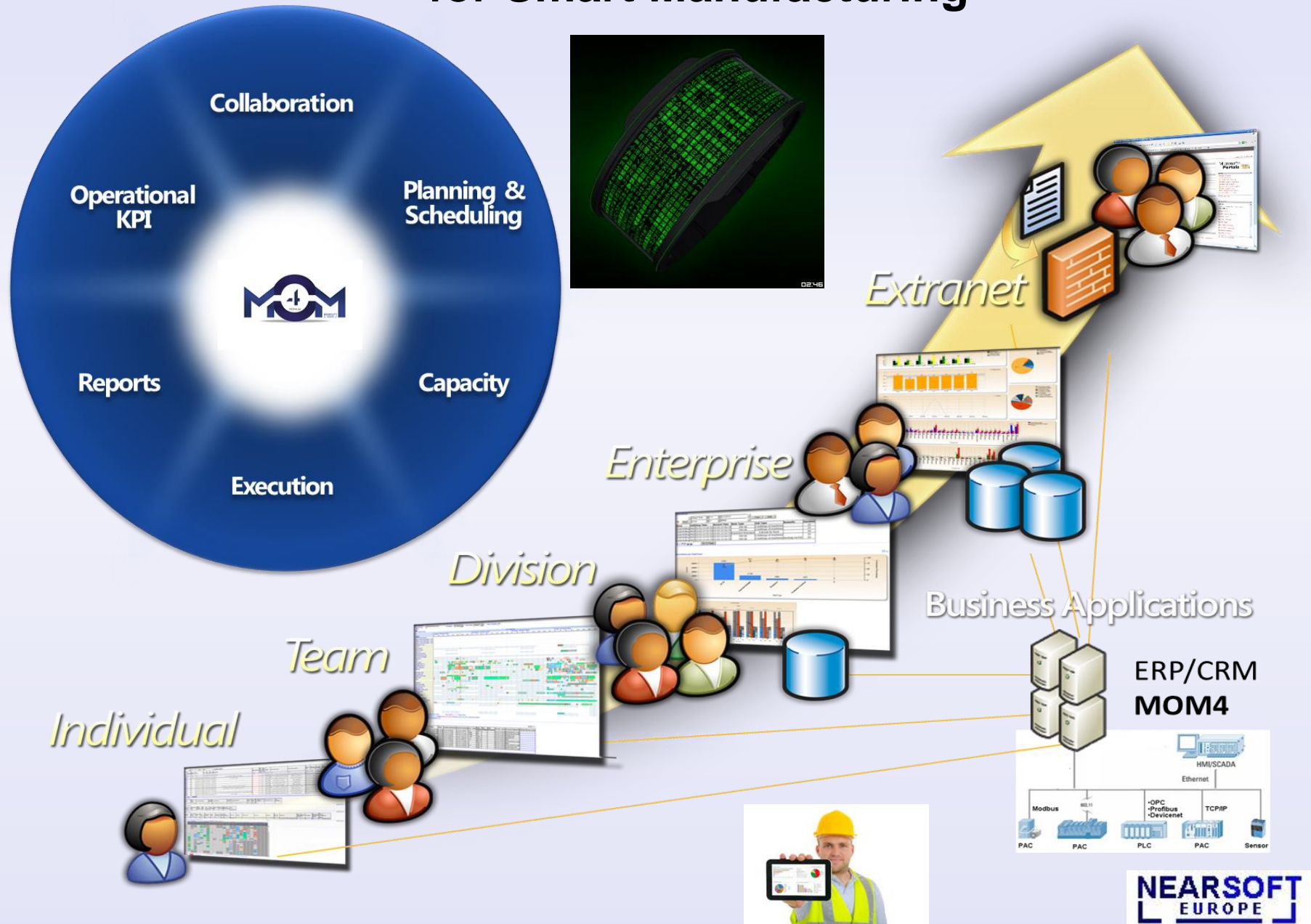
Based on RAMI4.0



MOM4 – Key Benefits



Configurable Content Management System for Smart Manufacturing



NearSoft is looking for:

■ ***Business Partners***

- ***Work together to establishing and promote Smart Manufacturing (CPS-CPPS) Marketplace for Apps and Software***
- ***Work together towards Industrial (IIoT) Cloud solutions***

■ ***Research Partners***

- ***Exchange ideas and vision regarding Industry 4.0, IIoT, Manufacturing IT, OPC UA, etc.***
- ***Collaborate on new standards such as RAMI 4.0, ISO 62264, LoRA, OPC UA, etc***
- ***Automate the requirement gathering based on Ontology Models, UML, etc.***

■ ***Implementation Partners:***

- ***Implement MOM4 in diverse industries.***

Contact Details

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