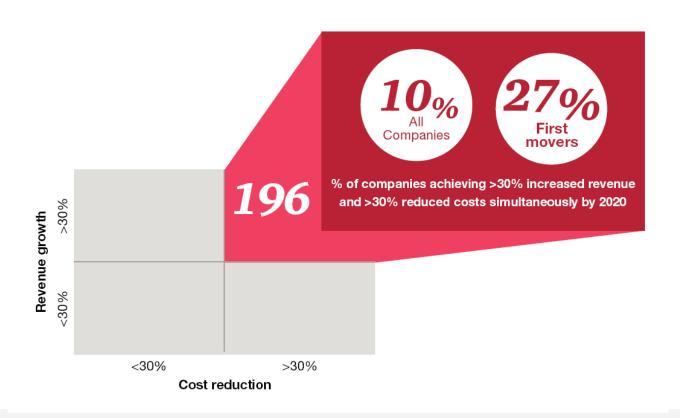


2020 Digitalisation Level



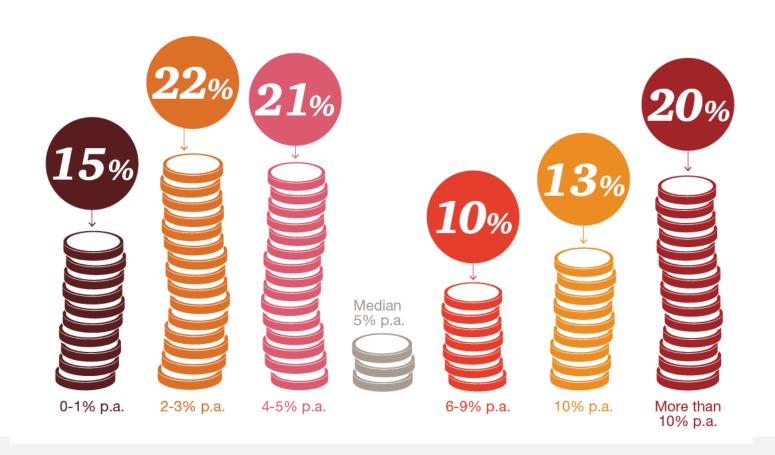




Cost Analysis



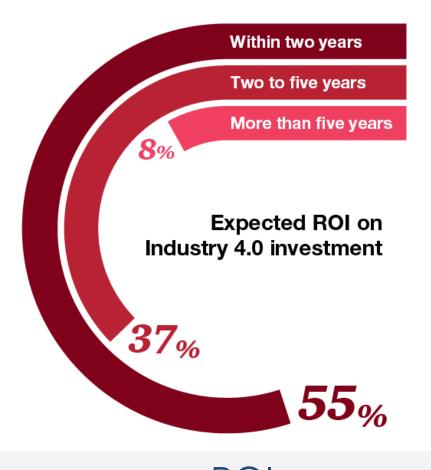




Investment













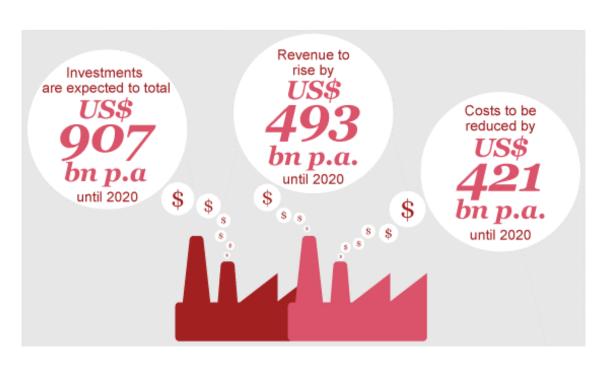
SME Digital Innovation Profile

SME Average I4.0 Investment p.a.: 50-100K€

Expected ROI: 2-3 years

Cost reduction: 30%

Profit gain: 30%







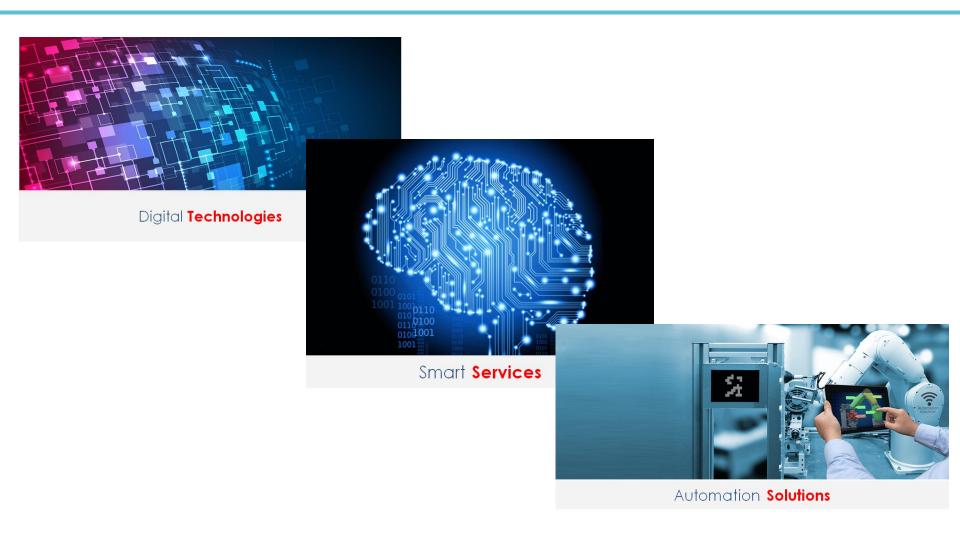
Challenge







Challenge







Challenge



Building a Digital Shopfloor





SME Digital Shopfloor Innovation Technical Drivers

Low Deployment Cost

Fast Return of Investments

Easy configuration & operation

Reliable Solutions

Incremental deployment

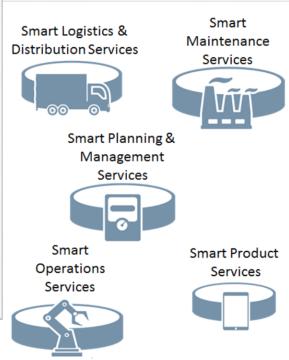
Open Systems





SME Digital Shopfloor Innovation Business Drivers













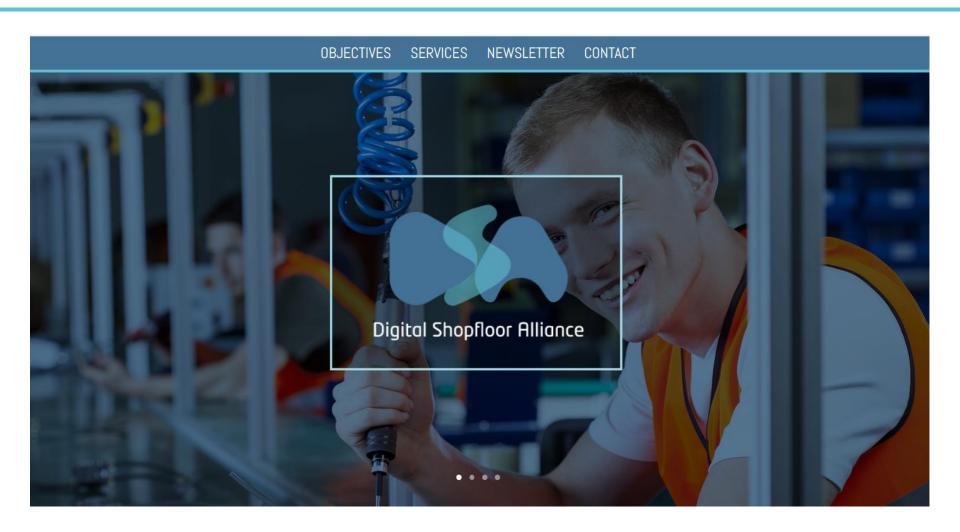








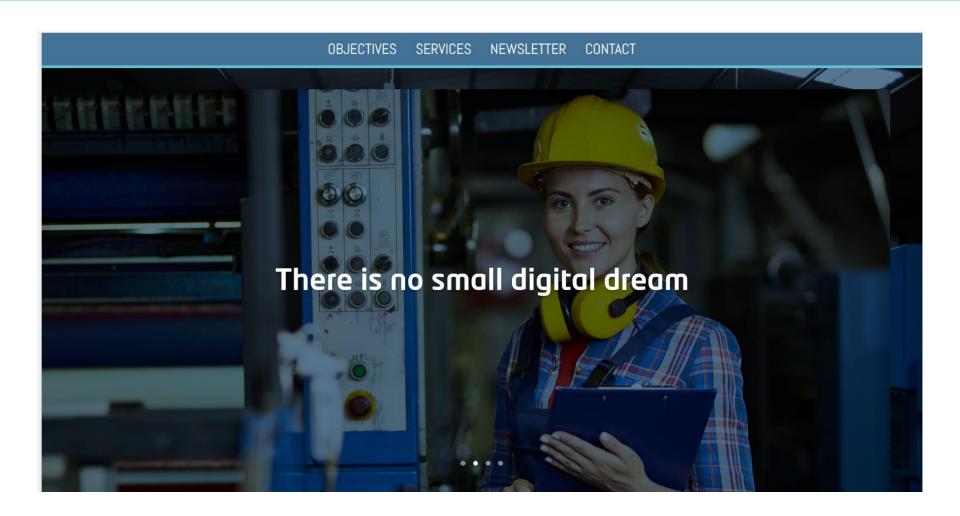
Digital Shopfloor Alliance (DSA)







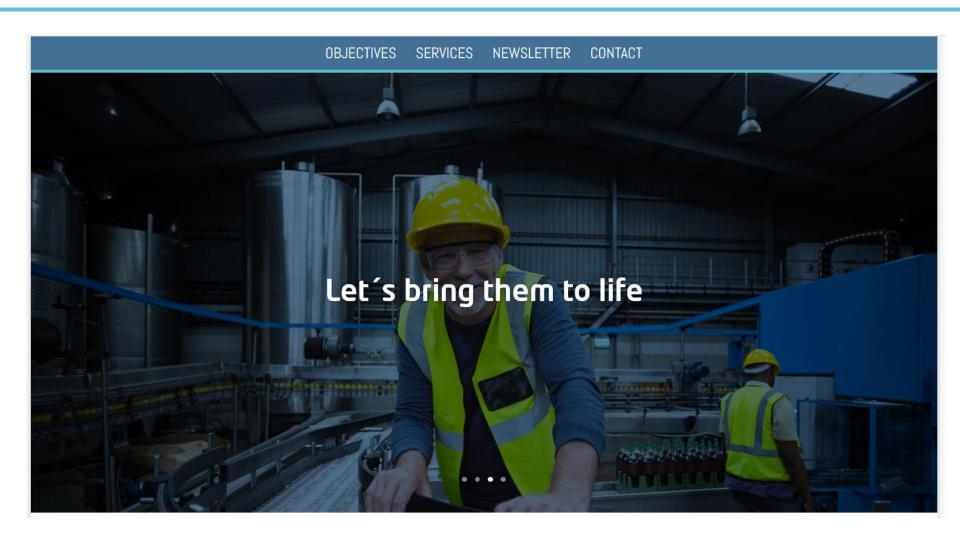
DSA - Value Proposition







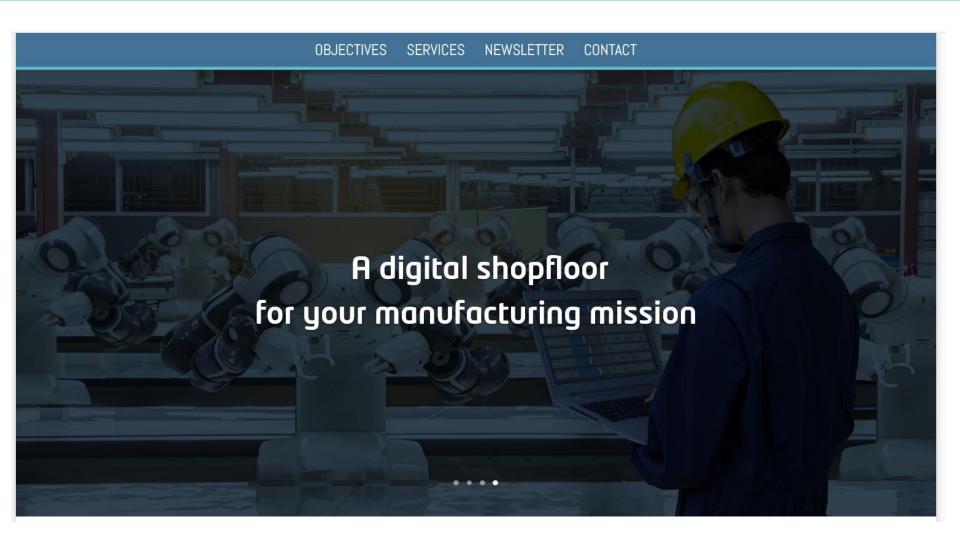
DSA - Value Proposition







DSA - Value Proposition







DSA - Benefits

OBJECTIVES

Reduce the cost, time and effort required to implement safe digital processes and products and secure I4.0 digital automation systems



Maximise Industry 4.0 ROI

Get the best business value out of your industry 4.0 investment



Keep your integration time under control

Well established methods and framework for deployment of digital solutions.



Ensure future digital shopfloor extendibility

Rely on certified and standard-compliant components to safely operate your digital shopfloor operations.





DSA - Services

SERVICES

Rely on the DSA network of experts, trusted components and service platforms to build a digital shopfloor matching your automation performance.



DSA profiling

Engage with your DSA expert, select your digital shopfloor profile and assess the ROI of your digital shopfloor strategy



DSA certification

Customise and apply the DSA

"validation & verification"

framework to ensure safe

operation of your

modular/reconfigurable

manufacturing cell or

collaborative robotic workplace.



DSA integration

Find and select a suitable DSA integrator to support you in the safe and secure deployment of your digital shopfloor services.



DSA-ready products

components and software solutions and infrastructures to reduce the ramp-up time of your digital shopfloor services.





DSA – How does it work

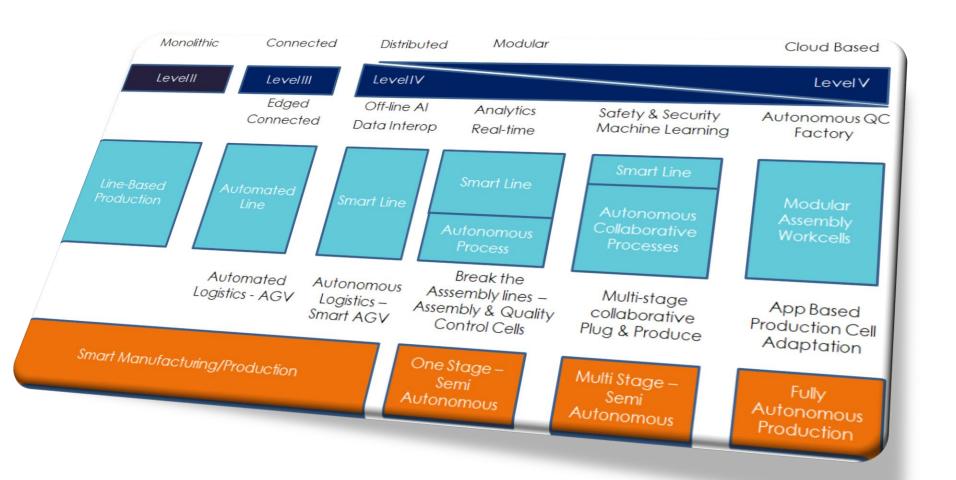


Maximise Industry 4.0 ROI





How does it work: A brownfield SME Digital Shopfloor Capability Development Framework







How does it work: A SME Digital Shopfloor Service Deployment Path







DSA – How does it work



Keep your integration time under control



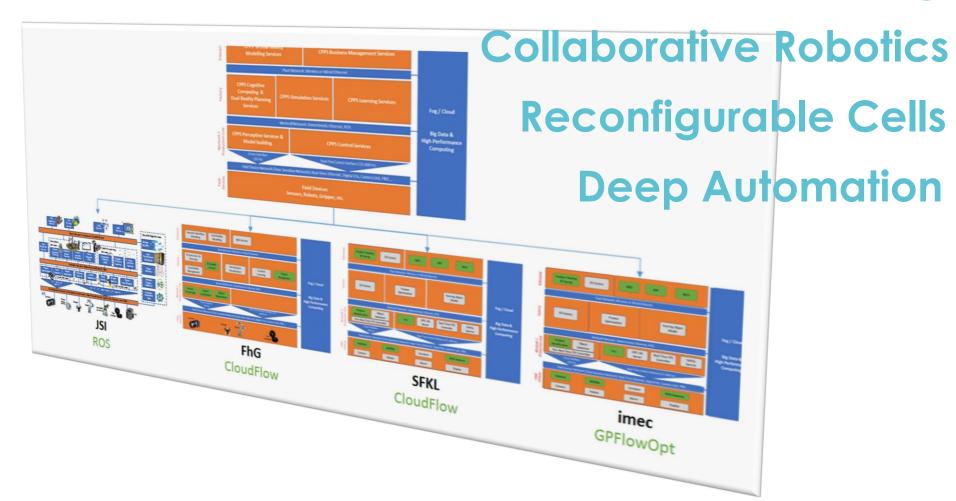


How does it work: A Data-driven RAMI 4.0 Digital Automation Reference Model



How does it work: Mission-driven Open Digital Automation Pipelines

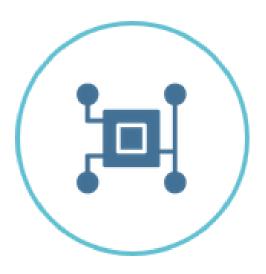
Modular Manufacturing







DSA – How does it work



Ensure future digital shopfloor extendibility





How does it work: Open Hardware & Software **Platforms**



Industrial Automation A









Industrial Communication









Industrial Security





Industrial Services







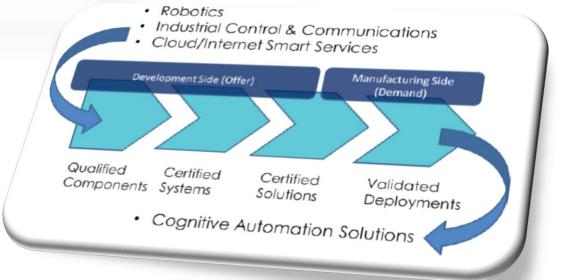


How does it work: Certified Pipelines & Solutions





Industrial Services







DSA Benefits for ICT and Manufacturing SMEs



Manufacturing SMEs: Digital cognitive automation systems within budget.



Machine Providers: Incorporate open trusted and certified CPS platforms.



Developers: Certified and well-characterized open fog platform.



Cloud services providers: host cognitive services (HPC)



Integrators: Faster and more reliable solutions











Digital Shopfloor Alliance













