



 **MBSE**
CONSULTING



- Industrial Experience -

CABLING & ROBOTICS

Industry: Cabling & Manufacturing Robotics

Focus: System Design and Integration (Switzerland)

Keywords: #System of Systems #MBSE #Simulation



CONTEXT:

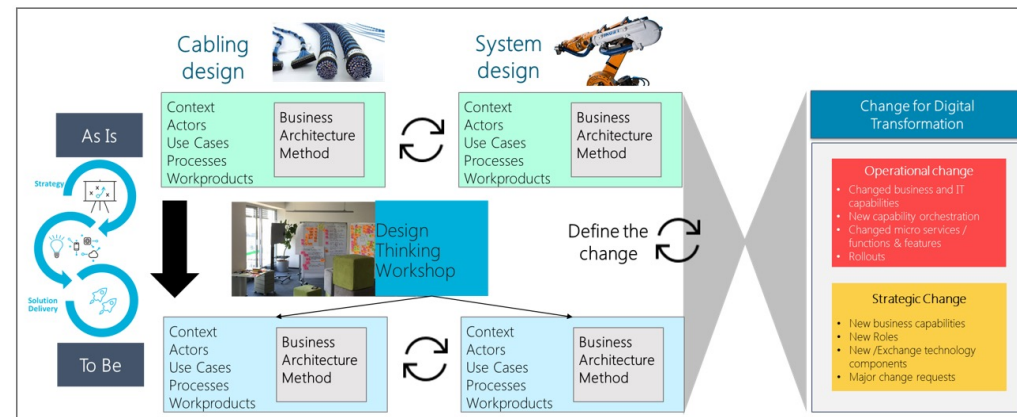
- A Swiss company leader in the Cabling and Manufacturing Robotics sector decided to digitalize the design, simulation and production of manufacturing robots known as “Dresspack” as well as their integration within the customer factory.
- This requires a transformation of the company business model and its implementation



- However the company cannot cope with this challenge and change by continuing using an **engineering silo-based** approach mainly **document-based**.

APPROACH:

Development of model-based approach to describe the new integration of system of systems to enable the company to proceed in its digitalization path.



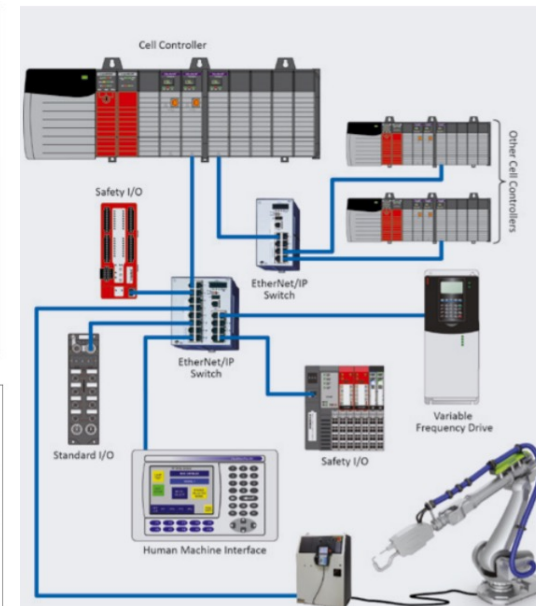
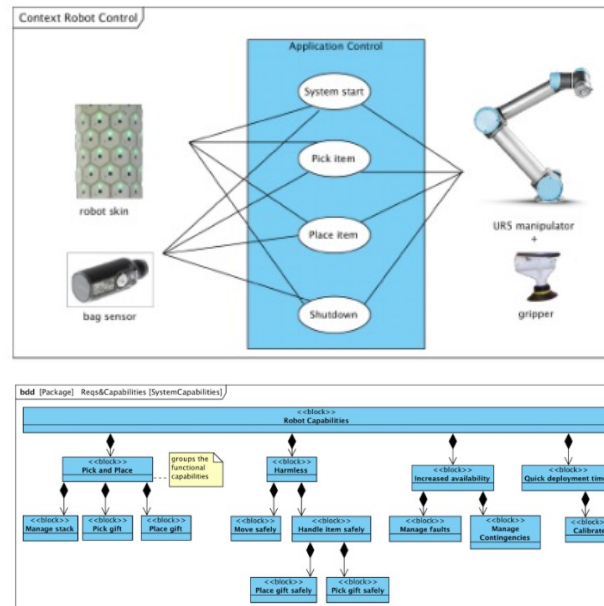
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RESULTS:

- Definition of **new business model** for the design, manufacturing and **integration of the Robots with Design Thinking**
- Development of a **MBSE framework** for the modelling of **System of Systems** focused on the integration and execution
- The MBSE framework implement the needs of the new business model
- **Easiness to collaborate** within the engineering teams and with the customer by using system of systems models
- **Automatic Generation of SPECs** from the System of Systems models





CONTACT US

Unit 1603, 16th Floor, The L. Plaza,
367-375 Queen's Road Central,
Sheung Wan, Hong Kong

Email: info@mbseconsulting.com

Website: www.mbseconsulting.com
WeChat ID: MBSEConsulting