

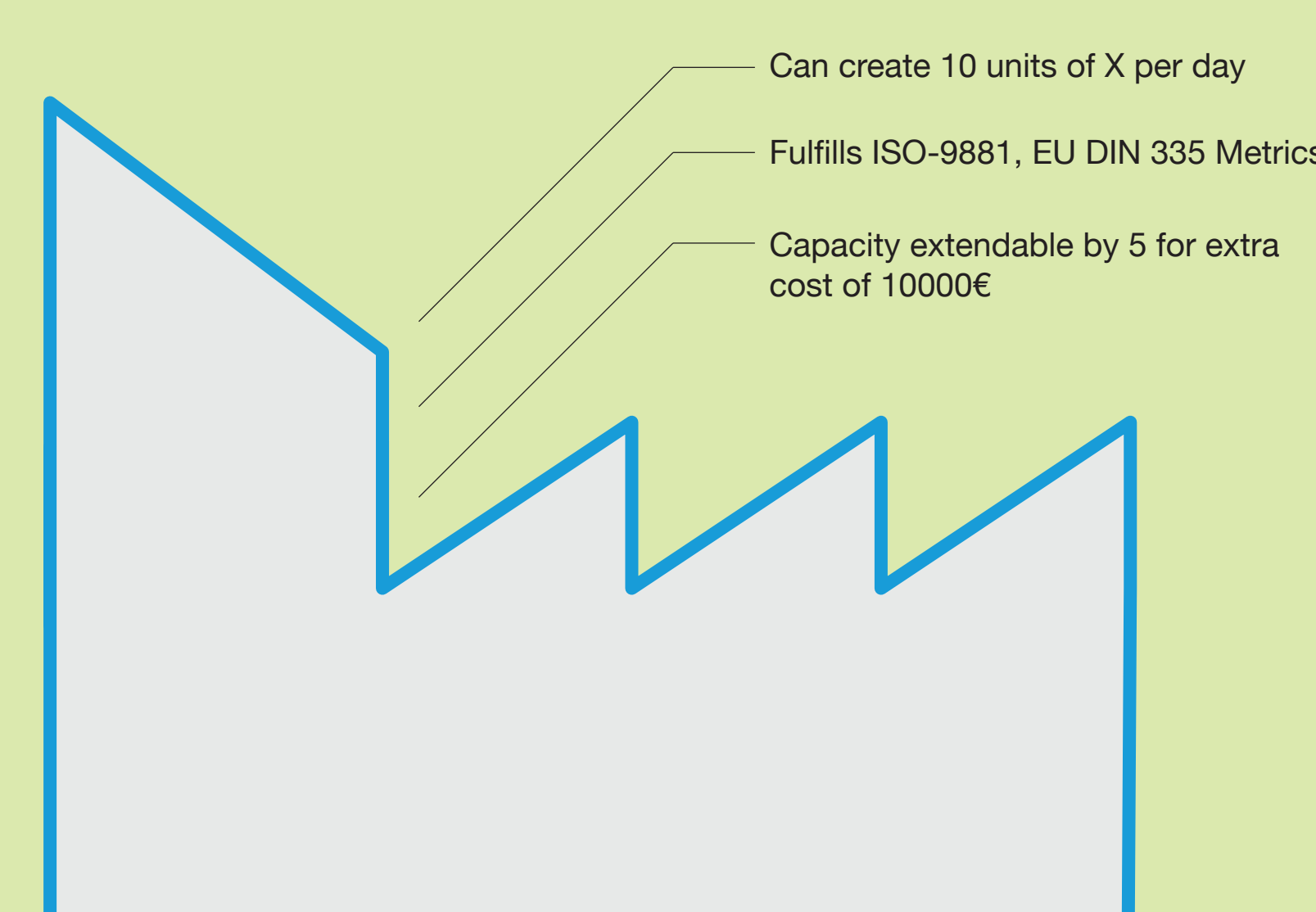
Adventure

The Plug-and-Play Virtual Factory

Adventure combines the power of independent factories to achieve complex manufacturing processes, providing concrete tools for partner-finding, process creation, process optimization, information exchange and real-time monitoring.

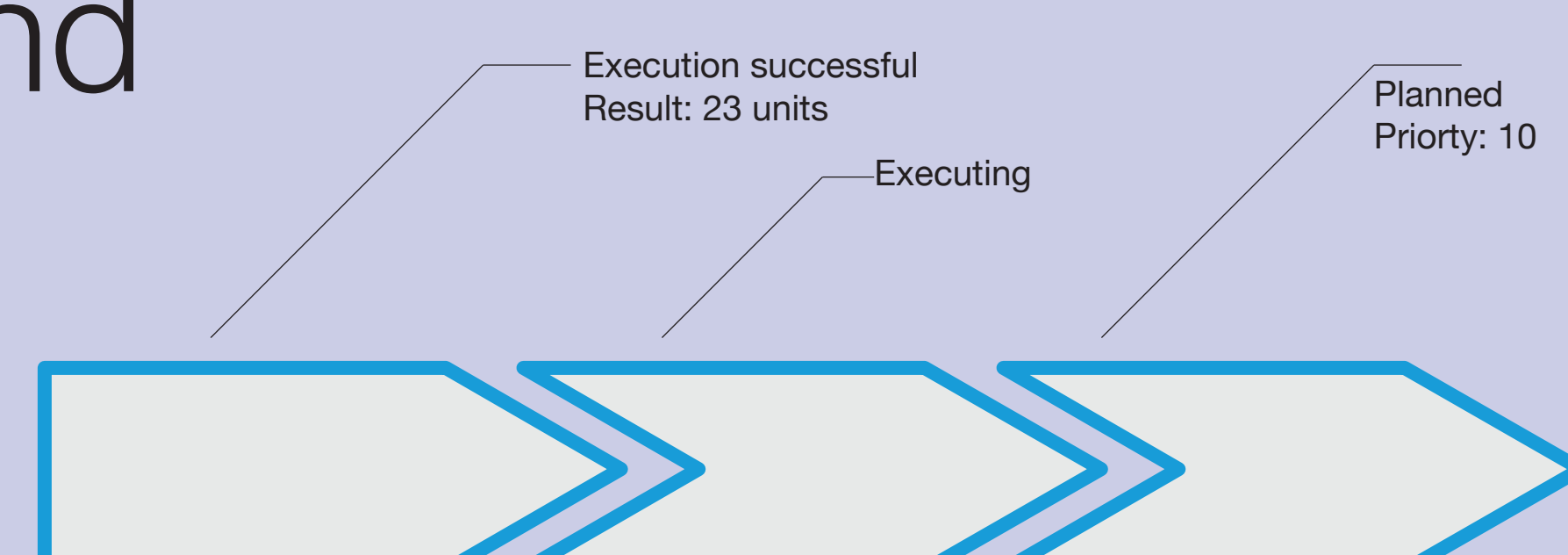
Virtual Factory Management

- Formalised semantics-based descriptions of factories, their services, and their properties
- Tools for description of virtual factories in cloud-based architecture



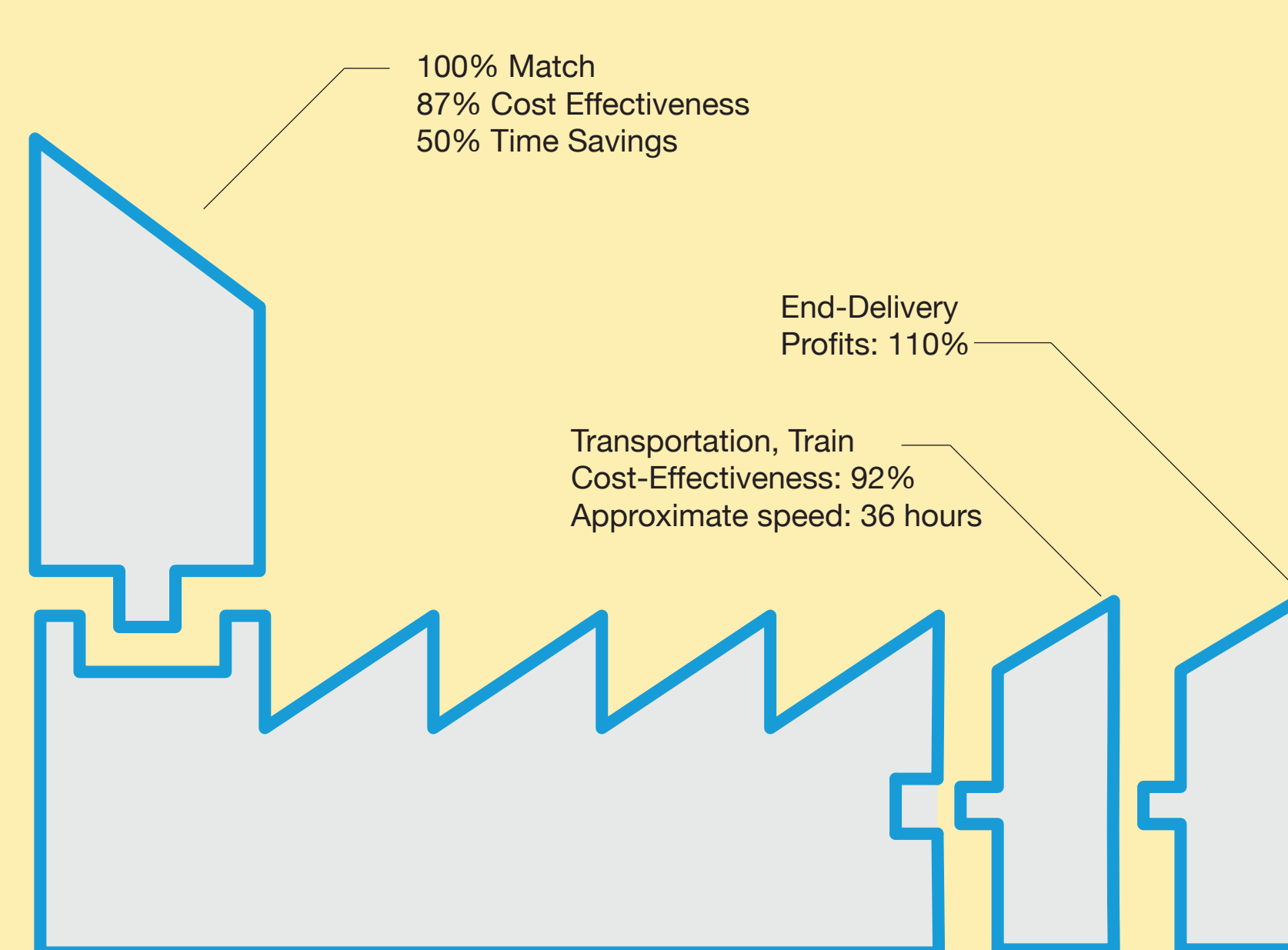
Process Definition and Simulation

- Graphical editor for definition, forecasting and simulation of processes in Virtual Factories
- Optimization of processes



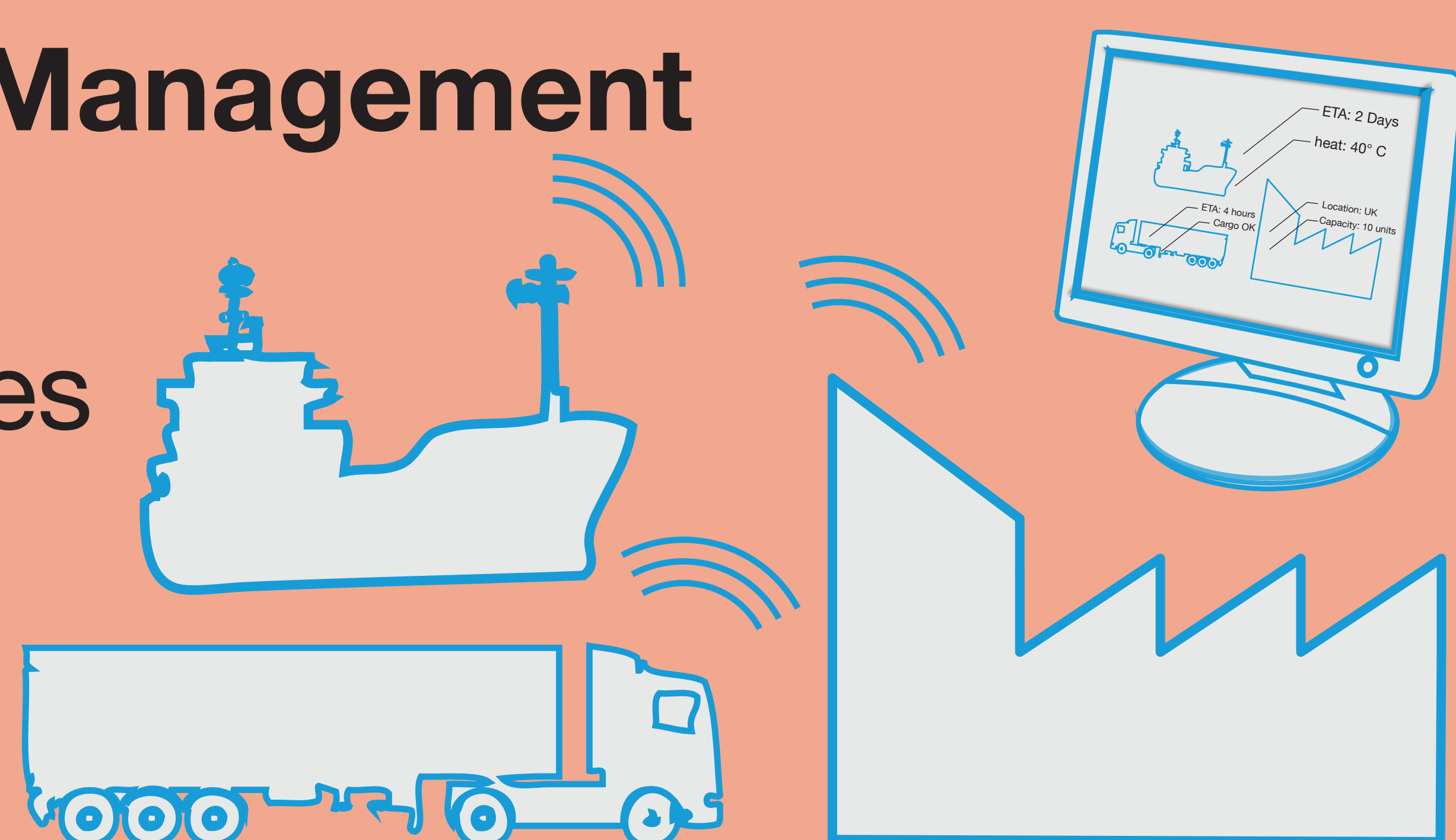
Partner Finding

- Identify particular partners who offer a distinct product
- Definition of data formats for exchanging information to ensure that factories can be technically connected



Real-Time Monitoring, Knowledge Management and Process Adaptation

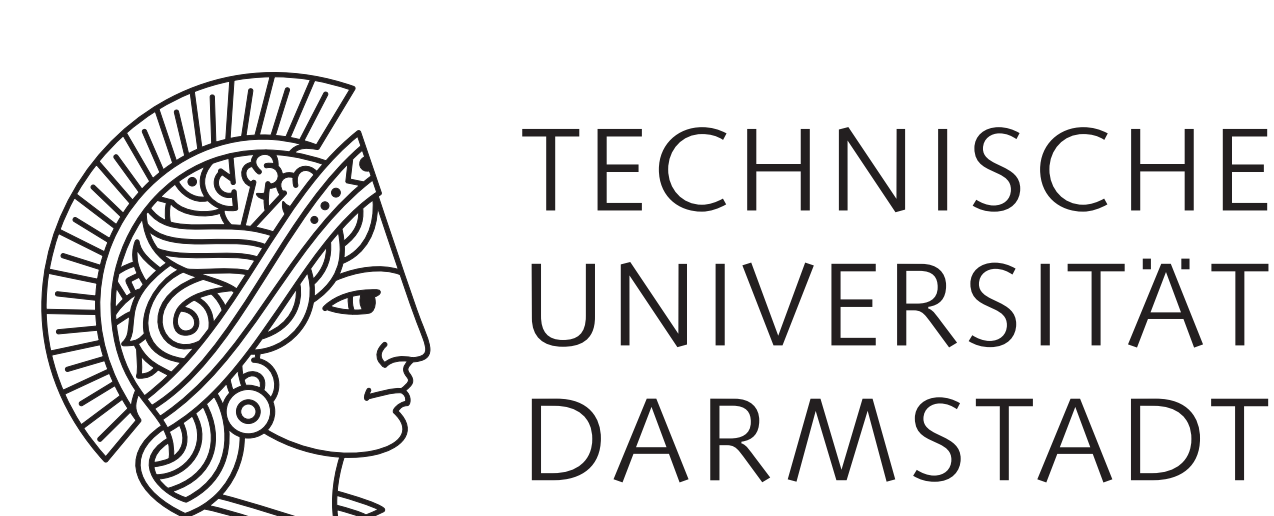
- Using Service-Oriented-Architectures
- Using technologies from the fields of Ubiquitous Computing and the Internet of Things



Technology



Science



Users



European Commission

Virtual Factories and Enterprises



<http://www.fp7-adventure.eu/>

