

SmartfactoryOWL

Connecting Science and Industry for creating advanced Automation Technologies



Prof. Dr.-Ing. Jürgen Jasperneite
Fraunhofer IOSB-INA
Campusallee 1, D-32657 Lemgo

Ostwestfalen-Lippe Region (OWL)

Cluster of innovation and german engineering excellence



In the Technology Network:
Intelligent Technical Systems OstWestfalenLippe, Germany

it's owl

- Honoured and funded by the german government
- Only technology leading edge technology cluster for I4.0
- Since 2012: Projects' budget until 2023 over 300 million €
- Powerful network of more than 200 cluster companies

- 2 Million inhabitants
- 12 universities with 55.000 students, 2 Fraunhofer Institutes
- Policentric structure with attractive historical towns



Technology & Knowledge-Transfer at its best

World-class infrastructures on „Innovation Campus Lemgo“

SCIENCE



Fraunhofer Institute



TH OWL | inIT



TH OWL | Institute Lifescience Technology



TH OWL | Institute Future Energy

TO



Centrum Industrial IT (CIIT)



SmartFactoryOWL

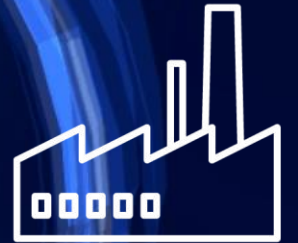


Innovation Spin



Food Factory 4.0

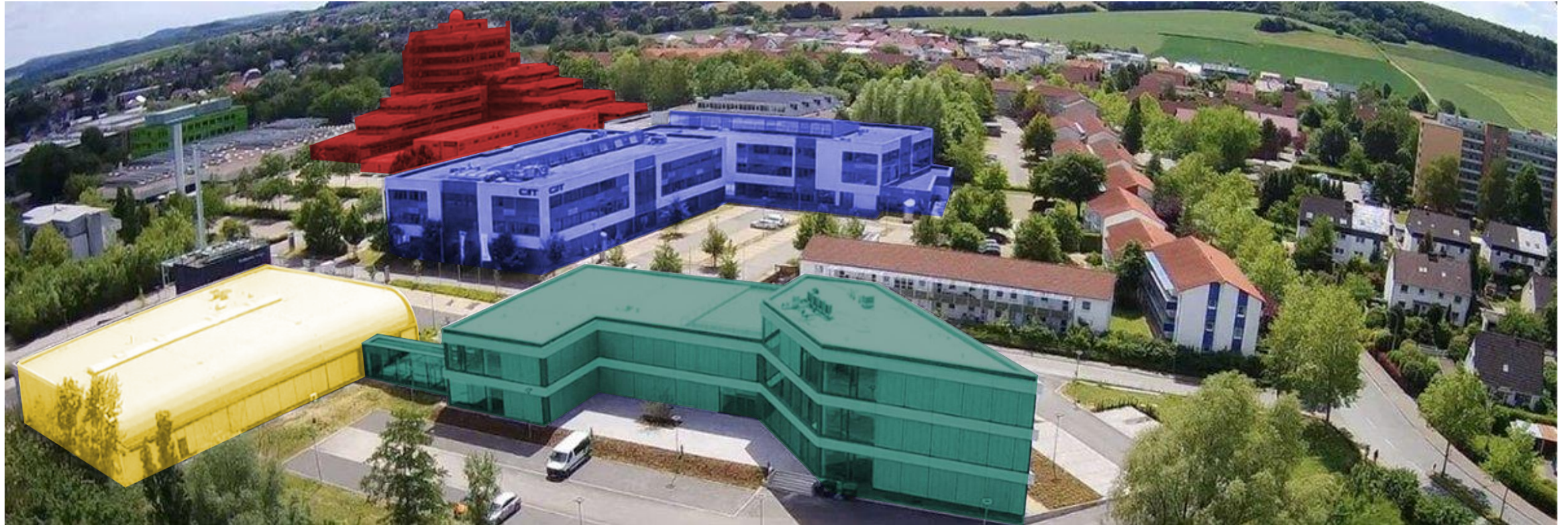
INDUSTRY



FOCUS ON:

Industrie 4.0
Smart Food Technology
Future Energy Systems





4.0

Information

Demonstration

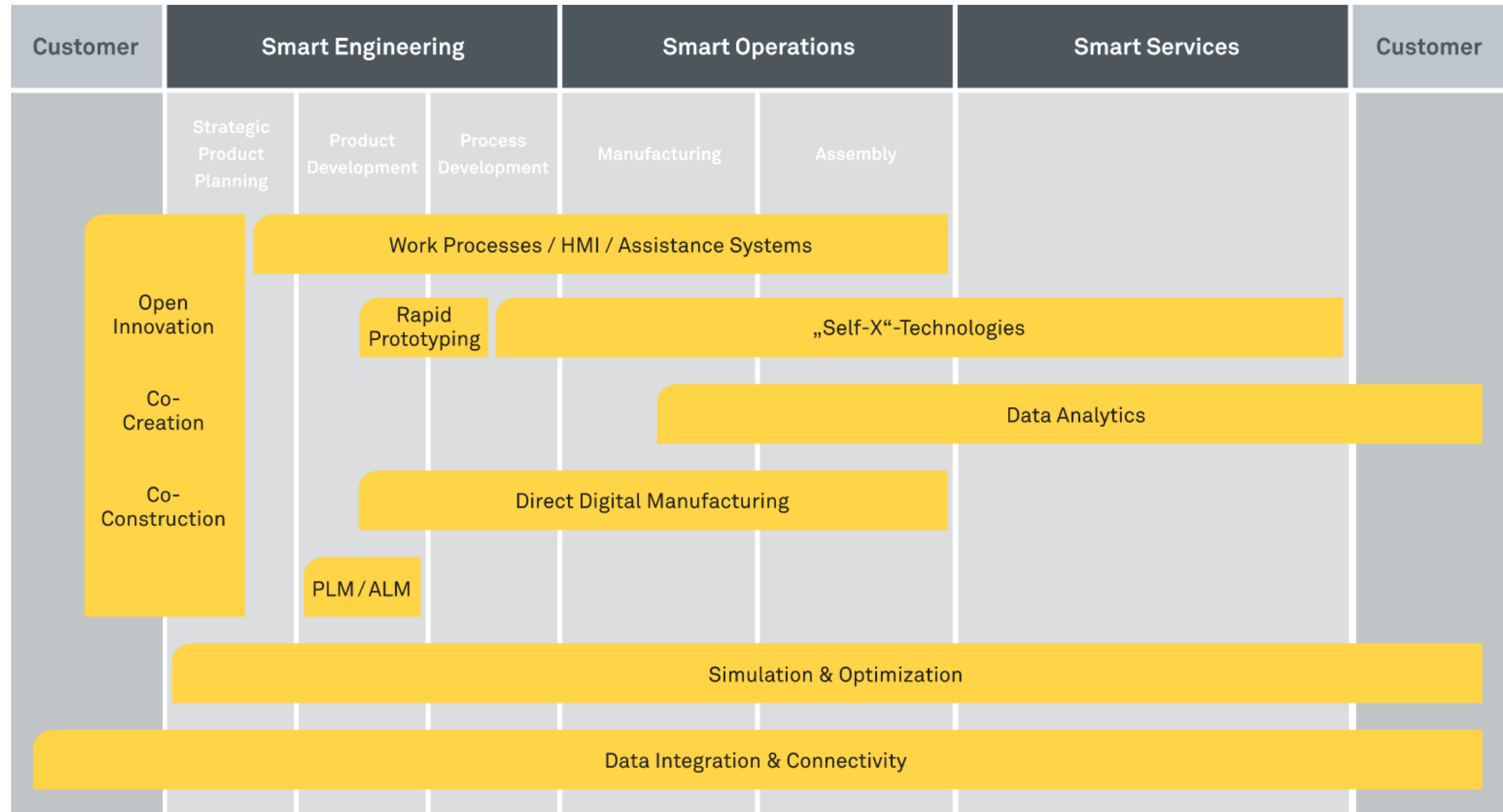
Qualification

Assessment

Implementation



Technology Map of SmartFactoryOWL





Digital Twin



physical
production system



digital twin

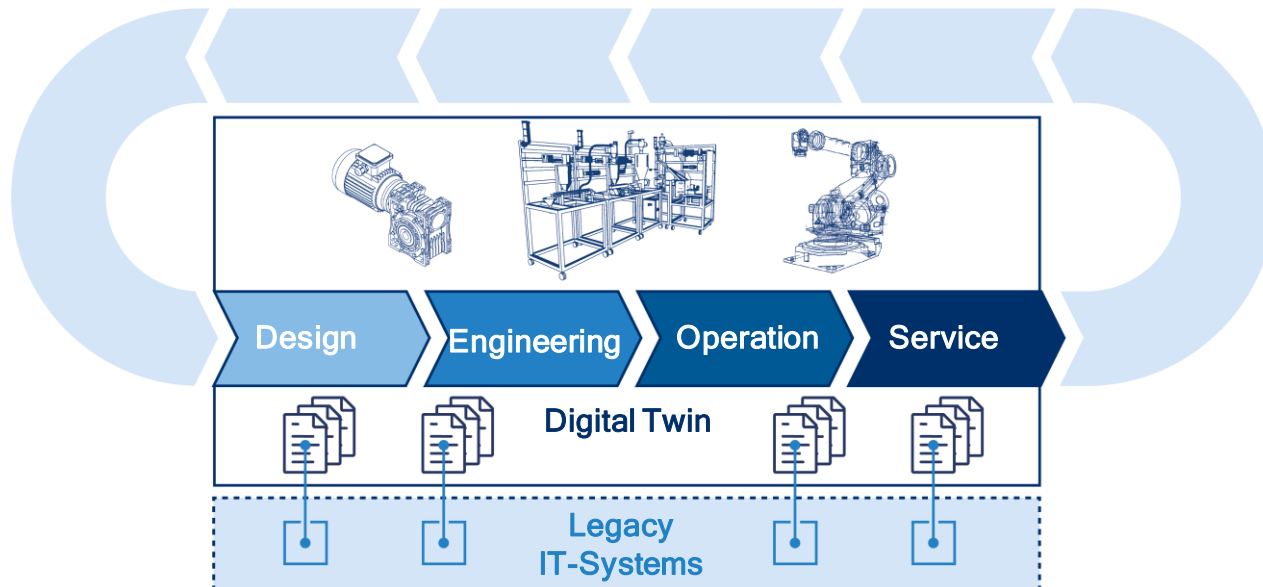
Digital Twin



Project: Data Infrastructure for Digital Twins

Das Technologie-Netzwerk:
Intelligente Technische Systeme
OstWestfalenLippe

it's owl



Plug-and-Produce



Project: 5G and Edge Computing



Assured Ad-Hoc
communication
(e.g. Data
Analytics)

Mobile
Equipment

Remote
Operation &
Service

5G

Edge

5G

Cloud

private

public



Engineers like to make things that matter!
We offer the needed environment.