Connectivity Services

2024 | Fraunhofer IPT

Keep your production future-proof with the right infrastructure

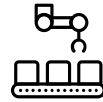## A testbed for digitization in production – create your future with us.

Leverage **Fraunhofer's** digitalization and production expertise to improve your business.
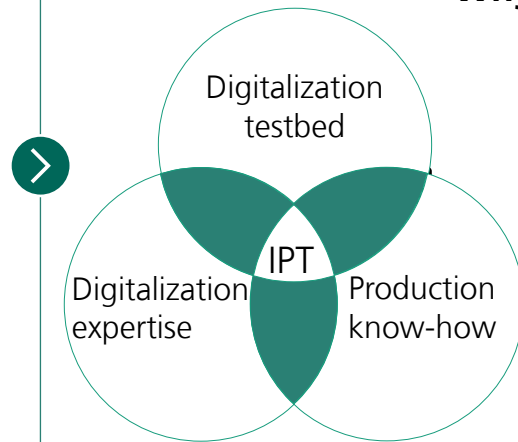
Connectivity strategy

Why? Digitalization and networking are becoming increasingly important for production. We help you to find the right strategy.

How?
- Evaluation of suitable architectures, technologies and services
- Comparison of technologies in relation to defined use cases
- Creation of technology roadmaps
- Accompanying the strategy process, up to the roll-out

Prototypes & Proof-of-Concepts

Digitalization testbed

Digitalization expertise

IPT

Production know-how

Why? Test before invest - we realize your ideas and visions in our testbed leveraging our digitalization expertise and production know-how.

How?
- Development of first prototypes and Proof of Concepts
- Comparative tests to determine the most suitable technology for your applications
- Testing technological possibilities and limits
- Test new 5G features even before they are commercially available

Roll-out

Why? Successful roll-outs - we support you to scale your PoCs* and integrate the successful new concepts into your overall business.
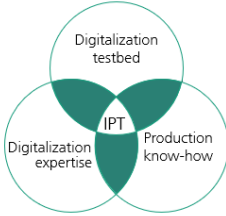
How?

Integration of new infrastructure into the overall business system

Scaling PoCs and Protoytpes for roll-outs

*Proof-of-Concepts = PoCs

Fraunhofer
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WZL | RWTH AACHEN UNIVERSITY

Keep your production future-proof with the right partners

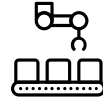Leverage **Fraunhofer's** digitalization and production expertise to improve your business

Digitalization Testbed

Infrastructure

- 5G private network (SA,NSA, mmWave)
- Industrial shopfloor fully equipped with machines
- Own edge cloud test environment

Production Know-How

MOBILE ROBOTICS LOGISTICS DATA ECONOMY

PROCESS MONITORING CROSS-SITE PROCESSING SMART SENSORS

Industries

Manufacturing, Logistics, Automotive, Mining & Ports, Construction, Energy Sector, etc.....

Digitalization expertise

> 5 years of 5G/6G experience and research

> 30 years of data pipelines and digitalization use cases in production

Technologies

IIoT sensors, communication technologies, industrial protocols, data visualization, edge cloud, kubernetes, cyber security

Contact

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