

# Connectivity Services

2025 | 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.



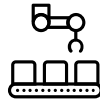
## Connectivity strategy

### Why?

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

### How?

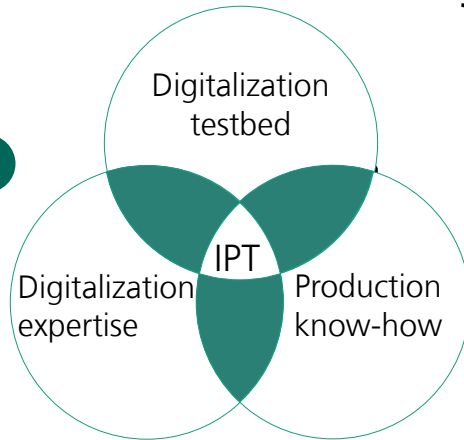
- Evaluation of suitable architectures, technologies and services
- Comparison of technologies in relation to defined use cases
- Creation of technology roadmaps
- Accompanying the strategy process, up to the roll-out



## Prototypes & Proof-of-Concepts

### 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



Integration of new infrastructure into the overall business system

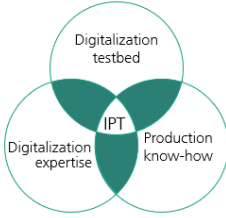


Scaling PoCs and Prototypes for roll-outs

\*Proof-of-Concepts = PoCs

# Keep your production future-proof with the right partners

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

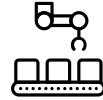


## Digitalization Testbed



### Infrastructure

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



## Production Know-How



### 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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