DETECON
CONSULTING

Understanding products throughout their entire life cycle

Until now, we had to develop **complex processes** if we wanted to know what happens to our products along their life cycle. For example, whether the users are satisfied with them, or which components in the product are particularly prone to error or are energy-efficient in operation.

Today, in the age of the **Internet of Things, products speak for themselves and can also interact**. This is where the concept of the digital twin comes into play.

The **digital twin** is a model of the real product and provides information about what was, what is currently happening and also what is likely to happen. For this purpose, data from different sources are transferred into a common communication standard and put into a semantic context. Only then do we know that the number 42 reported by the sensor is a temperature in degrees Celsius, which was measured in the basement of our office building near the combined heat and power plant.

What does the digital twin mean for my company?

How much better could you manage buildings or appliances for which you are responsible? What would you like to know about the behavior of your machine in continuous operation?

You will also quickly come to the conclusion that **the digital twin offers many opportunities for your business.**

In this workshop, we would like to work with you to identify where these **opportunities lie and** develop **initial ideas on how to** realize them.

Customer benefits

Results of this workshop are:

- A common view on the concept of the digital twin, its role in ecosystem and platform business and the associated business benefits
- A reflection on your current and future fields of action and ideas on how the digital twin can support the successful implementation
- Concrete starting points for current projects

Participants

- Responsible for the development, planning and production of assets such as real estate or of products such as machines or entire plants
- Service providers who are involved in the development or operation and are considering, for example, new, information-based business models and services
- Responsible persons from the field of Information Technology (IT), Operational Technology (OT) or Engineering Technology (ET), who are involved in the implementation of cyber-physical systems

In order to derive the most concrete benefits, we recommend booking this workshop for cross-disciplinary teams from these groups.
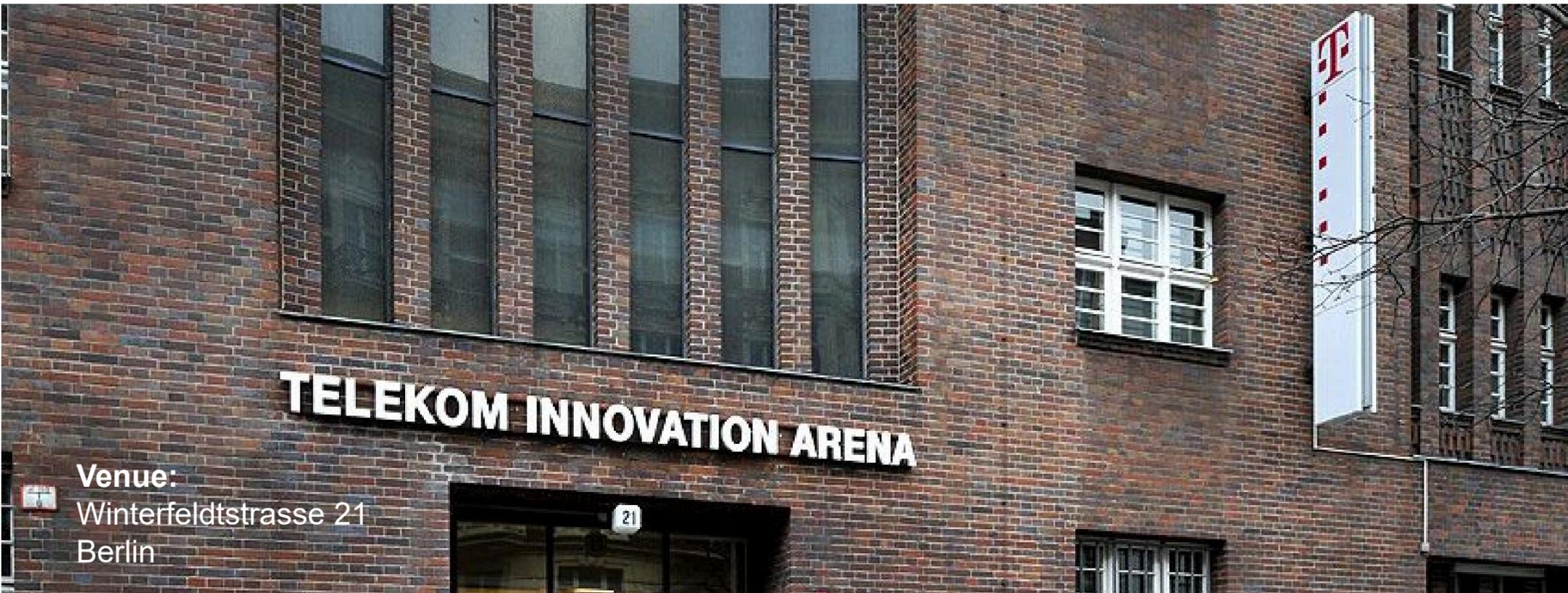
References & Ecosystem
- Why DETECON?

Many years of experience
- Enterprise Architecture Management Consulting for 15 years.
- Expertise from over 400+ successfully completed projects covering strategy and implementation support

Project examples

prostep IVIP	Deutsche Telekom	Study Digital Twin 10/2019
Synced Factory Twin	Digital Building Twin	

DETECON
DIGITAL ENGINEERING CENTER

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1

INNOVATION ECOSYSTEM BERLIN

Telekom Innovation Laboratories
At the Telekom Innovation Laboratories (T-Labs), international experts and scientists with a passion for innovation and technology drive the four core topics Blockchain, Intelligence, Experience and Academia as a Service. The T-Labs are the R&D unit of Deutsche Telekom and are also linked to the Technical University of Berlin via an AI Institute.

hub:raum
hubraum is the technology incubator of Deutsche Telekom. By bringing together start-up companies and the leading European telecommunications company, hubraum promotes the transfer of innovation and creates business opportunities for both sides. Since 2012, hubraum has been working with the digital ecosystem from its locations in Berlin, Cracow and Tel Aviv.

DETECON Digital Engineering Center
The Digital Engineering Center expands Detecon's consulting portfolio with practical and applied expertise in 4 competence areas - Co-Innovation, Analytical Intelligence, Industrial IoT & Cyber Security. It thus maps the complete innovation value chain from trend & impact analysis to practical implementation in tangible solutions.

EXECUTION

1. 15:00 to 18:00 o'clock

   Selected guided tours and impulse speeches of the innovation partners at the site

   We would like to discuss specific topics and demonstrations with you in advance.

2. 19:00

   Dinner together

2

OBJECTIVES

- **Discover**
  Get to know the Digital Twin concept and assess the possibilities and benefits for your business

- **Reflect**
  Present us your idea, current fields of action and perhaps already concrete ideas and projects

- **Act**
  Let us work out together how you can benefit from our expertise and where we could support you

EXECUTION

1. 09:00 - **Impulse lecture Digital Twin**
   - Approaches, examples, demonstrators, benefits
   - 5G and Digital Twin Ecosystems

2. 10:45 - **Your fields of action and initiatives**

3. 12:00 Lunch Break

4. 13:00 **Ideas for application, concretization of ideas**

5. 15:00 Feedback **and next steps**