

**Digital Real Estate  
Lifecycle  
Management**

**Agile Approach  
"50 Days Challenge"**



**Using real estate efficiently**

Real estate represents a significant value of corporate assets, which should be efficiently managed throughout its life cycle. The efficient construction, operation and maintenance of intelligent buildings (office buildings and production facilities), which provide optimal support to their users, require a seamless and continuous exchange of information.

**Making building information available in a holistic and coherent way**

However, intelligent buildings are based on services and technologies from various vertical industries.

Most industries standardize their areas only with regard to their own needs and members. This makes it difficult to exchange information in the form required by each partner individually. A unifying semantics is necessary.

**A demonstrator makes the solution approach tangible**

With the right architecture approach, a boundless flow of information and thus improved business benefits can be generated quite fast despite the jungle of standards and products.

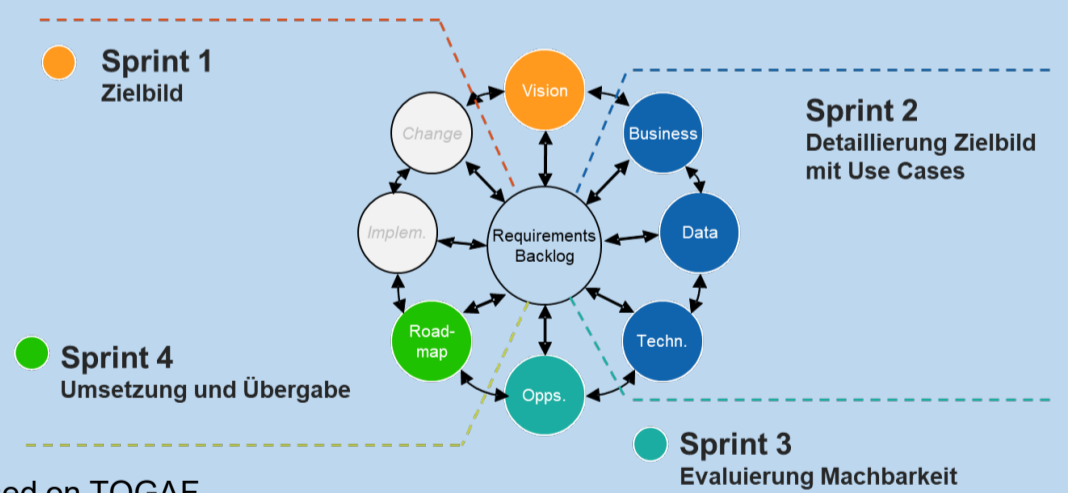
Development of a demonstrator shows digital continuity (digital thread) to support lifecycle management in a system-of-system using the example of a building.

**Agile "50 Days Challenge" approach**

**- What are the goals and what are the results?**

- The project goal is the creation of a mobile, replicable demonstrator, in which the challenge of digitizing a system-of-system can be seen in the example of a building and a possible solution is shown
- A collection of requirements in the form of building management Use Cases and the target picture of a building managed on basis of a consistent information model show the practical applicability of the approach

**- What is the approach\* in 50 days?**



\*based on TOGAF

**Participants**

- Responsible persons and project managers for development, planning and operation of assets such as real estate as office buildings and production facilities
- Service providers who are involved in development or operation and are considering new, information-based services, for example
- 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 as concrete a benefit as possible, we recommend that this challenge be perceived as an overarching team from these groups