

Intelligently keeping the building in good repair

UC14

Smart maintenance makes it possible to perform system maintenance when an actual need arises. In Use Case 14, ASCR is testing this intelligent maintenance.

Siemens, Wien Energie

Budget: 1 million Euro

Testbeds: Office building
TZ2

- **Basis for the research:** Statistical data from comparable systems, previous system-specific status changes, current system statuses, and relevant data on third-party systems.
- **Benefits:** Early avoidance of malfunctions, elimination of malfunctions “remotely”, clear identification of system components to be exchanged during necessary on-site operations.
- In conjunction with **BIM** (“Digital Twin”, UC15), components can also be located easily: Service employees receive virtual support to quickly locate the components.

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The benefits:

- Enables predictive building maintenance
- Technical facility management is becoming more efficient, better and less expensive