

Supporting Business Collaboration for Operation and Maintenance

Introducing the Digital Plant Lifecycle Record

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Problem Domain

- Complex business collaboration processes, which highly depend on the availability of data for a variety of tasks (on- and offshore)
- Problems in data exchange through insufficient ICT-support and heterogeneous formats and documents
- Inefficient inter-company coordination

Digital Plant Lifecycle Record Approach

- Ensures complete, chronological, high-quality documentation for wind turbines
- Based on a wide range of technical standards
- Holistic approach including every stakeholder in every lifecycle phase
- Integrated software system to improve and automate data exchange workflows as well as decision support

Digital Plant Lifecycle Record

Based on **DIN SPEC 91303**

Combination of Technical Standards

Recursive Information Structure

Stakeholder Viewpoints

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Integrated Approach

- + Structured data and high data quality form the basis for process optimization in every lifecycle phase
- + Improved transparency through a common understanding of business processes and data

