

# Smart Condition Monitoring

## Reliable Production

## Equipment Maintenance



Using intelligent systems and sensors in the Internet of Things opens up entirely new opportunities. Leadec guarantees optimal production processes: The networking of your valuable technical equipment combined with our full maintenance service packages adds to reliability and increases availability. Individually or together with different IoT partners we develop tailor-made maintenance packages enhanced by smart condition monitoring functions. This ensures that both we and you can keep track of your technical plant and equipment at any time. Our professional teams consisting of technicians, engineers and service staff support the entire process.

**Everything from a single source.  
Everything with one thing in mind:  
Your added value.**

- **Transparent and reliable production equipment maintenance**
- **Integration of innovative IoT solutions**
- **Permanent access to condition data**
- **Reduction of unexpected downtime and consequential costs**
- **Increase of plant availability**

**leadec**

### **Our service: Basic preventive and corrective maintenance services**

- Individual maintenance concept tailored to your plant and conditions of use
- Digital collection of your equipment data
- Implementation of Leadec's own or the customer's maintenance software
- Creating maintenance schedules based on manufacturers' specifications and our experts' experience
- Staffing and qualification of the maintenance team before Leadec assumes responsibility for maintenance activities

#### **Your added value:**

- Reliable plant operation with sustainable services
- Complete activity and cost reporting
- Maintenance activities according to defined quality matrix
- Continuous improvement processes with the assistance of the Leadec network of experts

### **Our service: Smart Condition Monitoring**

- Selection and installation of state-of-the-art sensors and analysis systems tailored to your assets
- Collection, provision and archiving of all condition data
- Regular data analysis by our experts to optimize the system and develop guidelines for action

#### **Your added value:**

- Increase of plant availability thanks to predictable corrective action
- Cost reduction thanks to service interval optimization
- Reduction of key equipment's failure risk

#### **Three-phase structure:**

##### **1 Manual monitoring**

- Identify anomalies via expert inspection
  - Prevent major failures and damages
  - Reduce repair costs and consequential costs
  - Identify potential of use

##### **2 Online monitoring**

- Selection and installation of sensors and IT systems
  - Additional image recognition for fault diagnosis
  - Improved assessment of the degree of wear and tear
  - Comprehensive and integrated monitoring solution

##### **3 Automated analysis**

- Intelligent definition of alert thresholds and guidelines for action
  - Adaptive alert if limit values are violated
  - Optimized maintenance planning and prioritizing



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