Self-governed Structural Analysis for long-term Industrial Application

- Early detection of emerging damage through continuous structural health monitoring (e.g. bridges, wind power plants, vessels)
- Optimisation of maintenance strategies

Customer's Benefit

- High reliability and cost savings by condition based maintenance

System Development

- Recent system development of the Fraunhofer LBF goes hand in hand with the optimised SWIFT hardware

Methods

- Damage detection by vibration analysis
- Operational modal analysis
- Effective Independence (EI)

Hardware

- Acceleration sensor interface
- Integration of a new powerful processor unit
- Remote monitoring and data retrieval

SWIFT GmbH is certified for aviation systems