henning
MADE IN GERMANY

ELEVATOR
COMPONENTS

Condition Monitoring System

WEARwatcher

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WEARwatcher Roadmap
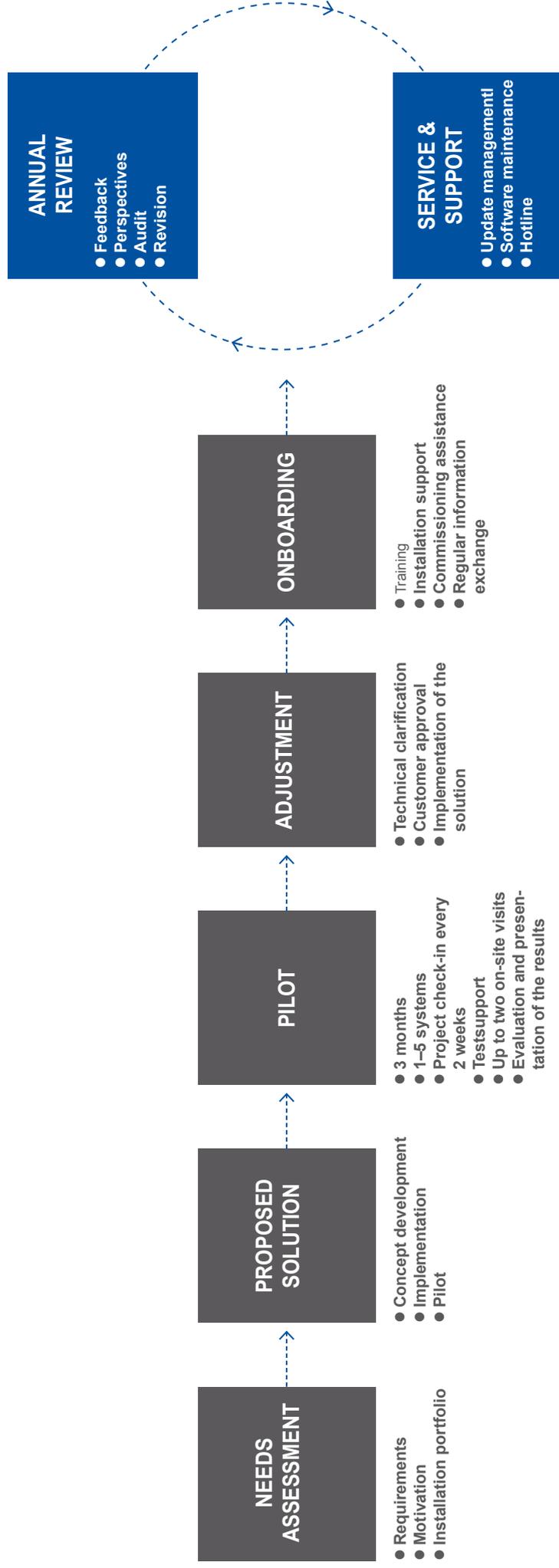
NEEDS ASSESSMENT
- Requirements
- Motivation
- Installation portfolio

PROPOSED SOLUTION
- Concept development
- Implementation
- Pilot

PILOT
- 3 months
- 1–5 systems
- Project check-in every 2 weeks
- Testsupport
- Up to two on-site visits
- Evaluation and presentation of the results

ADJUSTMENT
- Technical clarification
- Customer approval
- Implementation of the solution

ONBOARDING
- Training
- Installation support
- Commissioning assistance
- Regular information exchange

ANNUAL REVIEW
- Feedback
- Perspectives
- Audit
- Revision

SERVICE & SUPPORT
- Update managementl
- Software maintenance
- Hotline

Why WEARwatcher

The pioneer

We were the first manufacturer on the market – and with more than 10,000 systems delivered to date, we continue to set the standard.

Clear recommendations for action

WEARwatcher not only provides data and measurements, but also offers concrete solutions.

Universally applicable

The system fits in any elevator, regardless of manufacturer, condition, or age.

Advantages

- Capturing the current status
- Error detection / system failure
- Wear detection using AI
- Availability / probability of failure
- Maintenance planning simplifies
- Automatic reporting with recommendations for action for individual systems

WEARwatcher Cloud

- Central access to all dashboards, trend analyses, and automatic reports
- Makes the unit status transparent at all times
- Links precise sensor data with intelligent evaluation
- Communicates information and recommendations for action in real time
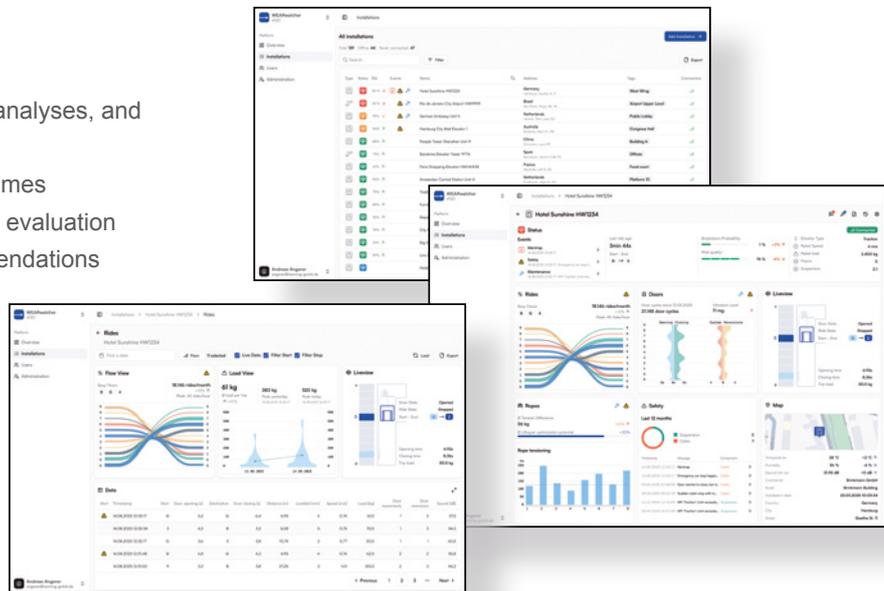
Two variants – one mission: maximum transparency.

WEARwatcher core

Fast. Simple.
Ready to use.

- Installed in just a few steps
- Core functions for precise analysis
- Ideal for an efficient start

WEARwatcher

Comprehensive. Flexible.
For the highest demands.

- Multiple sensors can be connected
- Advanced analyses and evaluations
- Absolute clarity regarding the condition of the system

Your choise

Whether you you're looking for a compact entry-level version or full analysis power, both variants provide security and clear recommendations for action.
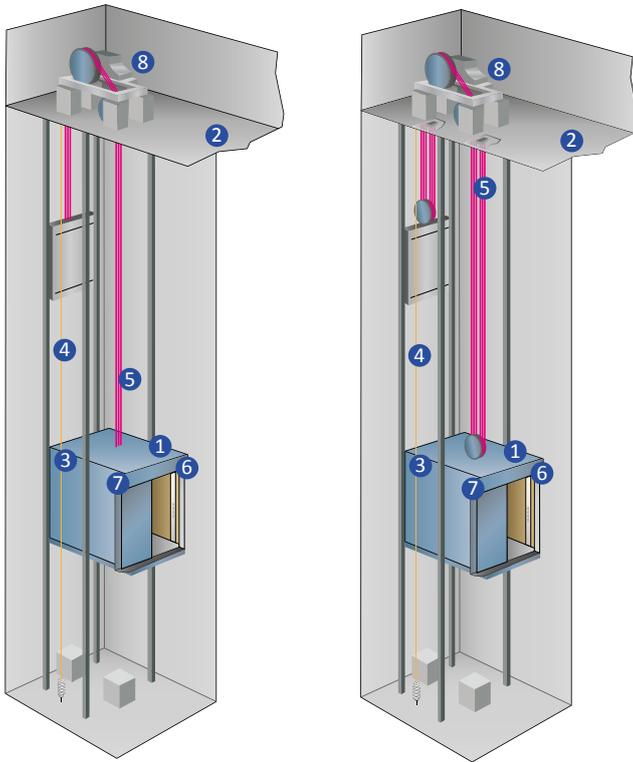
Partner im Liftlink-Netzwerk

We are a strong partner in the Liftlink network
www.info.lift-link.de

WEARwatcher

1 **WEARwatcher MPU**
Integrated analysis unit, acceleration embedded sensor

2 **WEARwatcher Satellite PEU**
Pre Evaluation Unit for external sensor data, commuication with WEARwatcher MPU

3 **APS Sensor**
Indication of exact lift position

4 **APS Codeband**
Indication of exact lift position

5 **Rope Load Sensor**
Rope tension measurement

6 **Door Signal Switch**
Indicates door open or closed status

7 **Electric Current Sensor Door Drive**
Current measurement for door engine analysis

8 **Electric Current Sensor Engine Drive**
Current measurement for Elevator Engine Status analysis

Key features

ø Speed	Guides	Breakdown probability			
Duty cycles	Ride quality	Drive	Levelling precision	Shaft efficiency	Sheaves wea
Ride distance	Number of rides	Vibrations	Hoistway doors	Car doors	Grooves
ø Drive time	Load conditions	Twisted ropes	Wear of rope	Emergency stop analysis	Traction monitoring
Door cycles	Door reversion detection	UCM warning	Elevator Rollback	Mantrap	Vandalism

WEARwatcher core
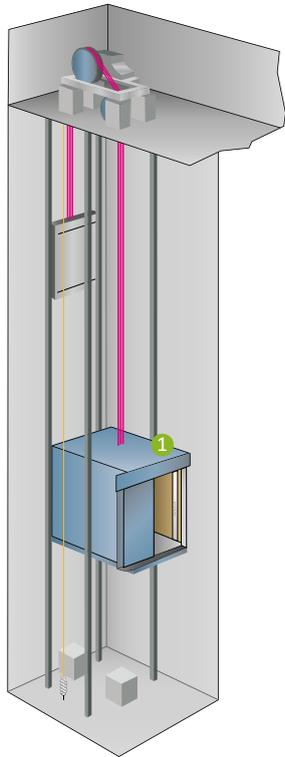
- Easy installation and setup (<30 min)
- Integrated analysis unit with acceleration sensor

Set up <30 min

Key features

Breakdown probability	ø Speed	Guides
Duty cycles	Ride quality	Drive
Ride distance	Number of rides	Vibrations
ø Drive time	Door cycles	Emergency stop analysis
Hoistway doors	Car doors	Vandalism

WEARwatcher

Key features

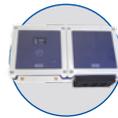|		
Breakdown probability	Total Distance	Handrail Speed
Ride quality	Number of starts	Direction of Movement
Operating Hours	Emergency stops	Step Speed

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2 WEARwatcher Satellite PEU
Pre Evaluation Unit for external sensor data, commuication with WEARwatcher MPU

3 Load Sensor
Tension measurement of handrail and drive chain

4 I/O Expander
Digital I/O Modul

5 Water Intrusion Sensor
Water leackage

6 Electric Current Sensor Engine Drive
Current measurement for Escalator Engine Status analysis

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Tel.: +49 2336 9298-0
info@henning-gmbh.de

www.henning-gmbh.de