

DeepNex42 –For asset intelligence and preventive decisions

–autonomous, explainable, and enterprise-wide–

How do you identify failure risks and maintenance needs?

DeepNex42 is an autonomous, semantic AI platform for predictive detection of asset conditions, failure risks, and maintenance needs, across systems and manufacturers, without manual rule definitions or rigid thresholds. DeepNex42 enables condition-based decisions, reduces unplanned downtime and maintenance costs, and increases asset availability, scalable, enterprise-wide, and cloud-ready.

Benefits & added value

- Predictive transparency over asset conditions and failure risks
- Reduction of unplanned downtime and production losses
- Optimization of maintenance intervals and maintenance costs
- Increase in asset availability and lifetime
- Measurable operational and financial benefits
- Scalable across sites, lines, and assets

Unique differentiation

- No manual rules, thresholds, or expert models
- Autonomous, semantic detection
- Combination of sensor, operational, and contextual data
- Manufacturer- and system-independent
- Explainable predictions instead of black-box alarms
- **Decision focus instead of alarm focus**
- **Platform approach instead of isolated condition monitoring tools**

Typical use cases

- Predictive maintenance for production assets
- Early detection of failures, wear, and malfunctions
- Condition-based maintenance planning instead of fixed intervals
- Reduction of spare parts and downtime costs
- Safeguarding production and delivery capability
- Transparency over asset performance
- Reduction of external maintenance and consulting costs

How do you avoid unplanned downtime, costs, and risks when the condition of your assets is not known in advance?

CEO / CFO

Safeguard. Manage. Increase availability.

- Reduction of unplanned downtime and production losses
- Measurable financial impact through higher availability
- Predictability of maintenance and investment costs
- Reduction of operational and financial risks
- Robust decision-making basis for maintenance strategies

CIO / CTO

Integrate. Scale. Decouple.

- Manufacturer- and system-independent asset intelligence
- Integration of sensor, MES, SCADA, and ERP data
- No manual modeling or rule maintenance
- Plattform Scalable, cloud- and hybrid-ready platform
- Data sovereignty and IT-secure architecture

COO / Maintenance / Operations

Detect. Prevent. Stabilize.

- Transparency over real asset conditions
- Early detection of failure risks and anomalies
- Condition-based maintenance instead of reactive maintenance
- Stabilization of critical production processes
- Sustainable development of asset and condition knowledge

Discover autonomous asset and condition intelligence with DeepNex42



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