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Spare Parts Management

Spare parts management is the strategic and operational process of identifying, sourcing, storing, and distributing spare parts to ensure uninterrupted equipment functionality. It involves **cataloging parts, defining stock levels, classifying criticality, managing suppliers, and integrating with maintenance and procurement workflows**. The process must balance availability with cost efficiency, using tools like CMMS, ERP systems, and data analysis to ensure parts are where and when they're needed — without overstocking or running short.

Challenges to overcome together?

Legacy Systems & Fragmented Tools

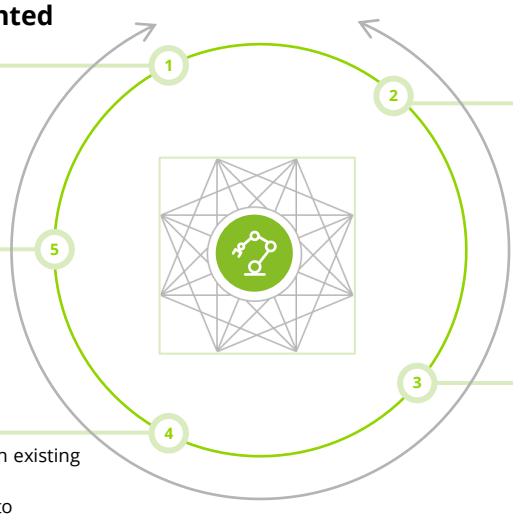
Outdated systems and disconnected platforms hinder visibility and efficient coordination.

Pressure to Cut Costs

Cost-reduction targets often lead to understocking and increased downtime risk

Integration Challenges

Integrating new automation systems with existing processes and technologies can lead to unexpected complications and can lead to temporary reductions in productivity.



Low Process Ownership

Without clear responsibilities, spare parts are mismanaged or neglected across departments.

Limited Performance Measurement

Without clear KPIs, it's hard to track progress, optimize efforts, or justify investment.

What to consider?

Optimizing spare parts management requires a tailored approach reflecting **asset criticality, inventory risk, and system maturity.** From assessment to implementation, each step must align **maintenance, procurement, and warehouse functions**.

Data issues, excess stock, and poor visibility are common pitfalls. Success depends on **clear goals, clean master data, and cross-functional ownership**. We help clients move from reactive mode to lean, data-driven operations.

- Criticality of Equipment
- Inventory Accuracy
- Data quality & Master Data
- Warehouse Layout & Accessibility
- Vendor Strategy & Contracts
- System Capabilities (ERP/CMMS)
- Stakeholder Aligment
- Integration with Maintenance Systems

•Measurable OEE and cost impac

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How can you benefit from optimized spare parts management ?

Reduced Equipment Downtime

Critical spare parts are always available when needed, ensuring faster repairs and minimal production interruptions.

Lower Inventory Holding Costs

Optimized stock levels reduce excess inventory, freeing up capital and lowering warehousing and obsolescence costs.

Improved Maintenance Planning

Availability of right parts supports preventive and predictive maintenance, avoiding reactive, last-minute fixes.

Streamlined Procurement and Storage

Data-driven planning improves purchasing accuracy and enables efficient storage, saving space and administrative time.

Increased Reliability and Asset Lifespan

Timely part replacement reduces wear-related failures, extending the life of key machinery and equipment.

Better Data and Decision-Making

Standardized spare parts records and performance KPIs enable smarter decisions, benchmarking, and continuous improvement.

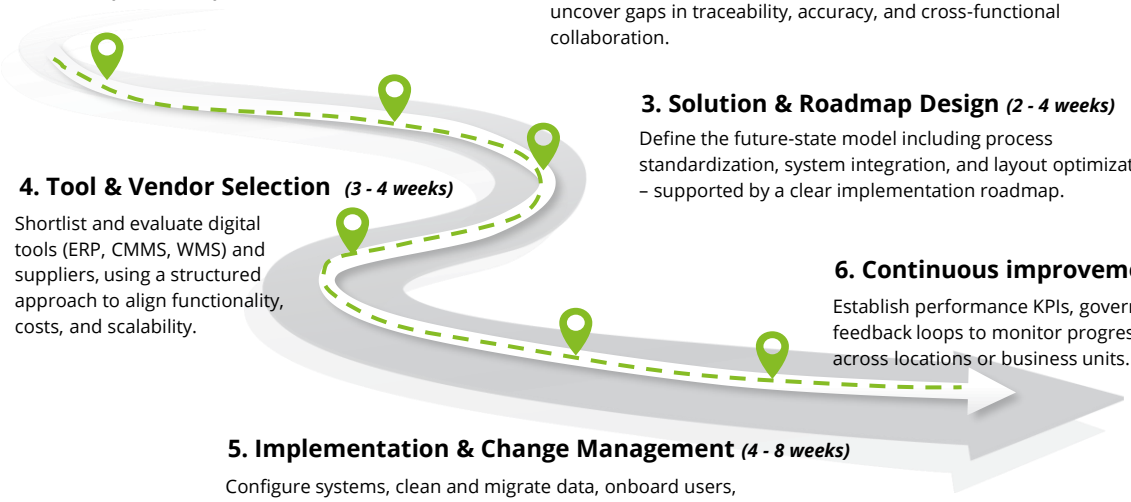
And how can we help you achieve that?

1. Analysis & Spare Parts Assessment *(2 - 3 weeks)*

Understand the current state of spare parts management and identify improvement areas based on criticality, availability, and cost.

2. Process & Data Diagnostics *(2 weeks)*

Review current workflows and master data quality to uncover gaps in traceability, accuracy, and cross-functional collaboration.



3. Solution & Roadmap Design *(2 - 4 weeks)*

Define the future-state model including process standardization, system integration, and layout optimization – supported by a clear implementation roadmap.

4. Tool & Vendor Selection *(3 - 4 weeks)*

Shortlist and evaluate digital tools (ERP, CMMS, WMS) and suppliers, using a structured approach to align functionality, costs, and scalability.

6. Continuous improvement and scalability

Establish performance KPIs, governance routines, and feedback loops to monitor progress and extend the model across locations or business units.

5. Implementation & Change Management *(4 - 8 weeks)*

Configure systems, clean and migrate data, onboard users, and ensure smooth transition through training and go-live support.

End to End Solution

Strategy perspective
Driving alignment and perfomance
- Strategy aligned with asset criticality
- Clear governance and KPIs

Technology perspective
Enabling data-driven operations
- Integrated ERP / EAM /WMS systems
- AI & IoT for prediction and optimization

Financial perspective
Maximizing and capital optimization
- Inventory and capital optimization
- Measurable OEE and cost impact

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