

EAM 365



Benefits

- Predictive and Preventative maintenance
- Ability to manage and track the maintenance of equipment installed in the organization
- Increased up-time of equipment by doing timely maintenance
- Ability to generate preventive and ad-hoc work orders for servicing equipment
- Better maintenance and repair cost containment
- Improved operational performance and efficiency
- Obtain overall control of installed equipment from an operational and financial perspective
- Increase in workforce productivity and first-time fix percentage
- Detect work order priorities

EAM Solution on Microsoft Dynamics 365

Equipment health and maintenance downtime have a severe impact on the operational efficiency. In many cases, these factors become the key to determining profitability of asset-heavy companies.

EAM 365 offers an end-to-end solution to improve equipment lifespan and performance by optimizing preventive periodic maintenance and internal maintenance requests as well as repairs. The solution tracks real-time information across your business optimizing productivity and reducing and planning downtimes, thereby minimizing risks and costs, and optimizing business value. EAM 365 also allows for direct access to all the data needed regarding equipment, resources, warranties and logistics. The product is highly scalable and suitable for large and SME across the full spectrum of asset-intensive industries.

Short-Term Advantages of the Solution:

- Full visibility on open work orders (ad-hoc and preventive)
- Status of maintenance work orders with respect to applicable deadlines
- Early spare part availability notification

Long-Term Advantages of the Solution:

- Support for preventive maintenance based on flexible maintenance schedules and frequencies.
- Required resource availability versus available resource capacity
- Financial planning based on estimated maintenance

Key Features of EAM 365

Equipment Management

- Define and maintain equipment hierarchy (multi-level equipment structure)
 - Allow for dynamic restructuring (in case of ad-hoc equipment structures – construction)
- Storing information such as Equipment type, serial number, warranty etc.
- Storing information such as cost center, department or other financial dimensions to which maintenance expenses are to be posted
- Equipment can be linked to Fixed Assets to track asset depreciation
 - Data integration allows for Usage-based asset depreciation
- Attaching notes, drawings and other relevant documents using Dynamics 365 for Finance and Operations, Enterprise edition document management
- Track equipment usage and condition parameters (ex. running Kms/hrs, tyre pressure, motor/engine temperature, ambient temperature etc.)
- IoT integration allows for direct data input from sensors attached to equipment
- Defining equipment property sheets to maintain relevant technical information about the equipment.

Preventative Maintenance and Scheduling

- Define maintenance schedules for equipment
- Define equipment usage thresholds when maintenance activities should be triggered
- Schedule templates can be created for equipment categories to easily attach schedules to new equipment
- Generate planned orders for upcoming maintenance
- Maintain, plan and track Inspection schedules

Maintenance Requests/Orders

- Generating work orders for adhoc repairs as well as for preventive maintenance
- Auto-generate maintenance requests when equipment usage exceeds preventative maintenance schedule
- Alerts generated when equipment usage approaches maintenance threshold
- Facility to monitor progress of open work orders
- Option to add multiple tasks to one work order
- Defining template for standard hours and spare parts

Mobile App for Field Operations

- Track inspections
- Log equipment usage (manual)
- Indicate equipment issues, maintenance requests by operators and breakdowns

Fully Integrated with D365 Operations

- Manage vendor sub-contracting of work order tasks
- Maintain purchase requisitions and orders for workorders
- Create requisitions and orders for upcoming maintenance (schedule)
- Assign equipment/assets to projects
- Integrated with D365 Budgeting
- Attaching notes, drawings and other relevant documents using Dynamics 365 for Finance and Operations, Enterprise Edition document management

Predictive Maintenance

- IoT integration allows for direct data input from sensors attached to equipment
- Assess equipment breakdown probabilities based on equipment usage history
- Analytics to showcase breakdown cases over time and usage
- Machine learning algorithms can make predictions based on category wise equipment behaviour
- Track Mean Time between Failures as KPI

Resource/Technician Scheduling

- Attach and track resources and technicians to maintenance orders/planned orders
- Graphical view of resource allocation
- Track Technician skills and assign technicians based on availability and skill set
- Track current and upcoming spares/consumables requirements and directly create purchase orders / requisitions
- Track technician hours spent on tasks
 - Cost calculation and productivity analysis
- Technician calendar to track conflicts
 - Can be integrated with leave requests/employee calendar to ensure availability

About Levtech Consulting

Levtech Consulting was established in 2009. Headquartered in Dubai, UAE, Levtech Consulting is a leading technology consulting firm, delivering digital transformation through best-of-breed business solutions, industry-specific consulting services and advanced technology capabilities. Today, Levtech operates from offices in U.A.E., Singapore, Qatar, Saudi Arabia, US, Japan and India. Driven by a strong management team with diverse industry experience, the practice consists of some of the finest talent in the areas of Business Consulting and Project Management for Enterprise Applications. With a team size of over 250 consultants, the firm has helped over 200+ customers transform their business globally.

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