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INFOSYS OFFERING FOR ENTERPRISE ASSET MANAGEMENT

There is a strong business need to balance manufacturing throughput with the associated costs – this need is in essence:

- Increase in operational efficiency
- Simultaneous control of overheads
- Maximizing of returns on assets by maximizing the uptime.

These challenges necessitate the use of structured maintenance modules as a strategic enabler for the upkeep of organizational assets.

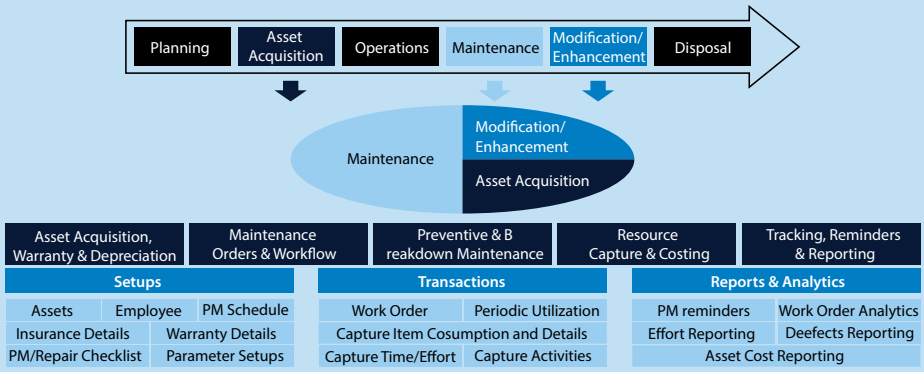
Asset Management is an integral business operation across industry verticals, and organizations rely upon asset management to deliver cost savings, reduced risks and increased accountability by predicting asset performance and improving the processes that support asset lifecycles.

Infosys Solution for Enterprise Asset Management (EAM) addresses the major functionality-gap in the asset lifecycle management by extending the existing Fixed Assets and Project functionalities within Microsoft Dynamics™ AX, enabling organizations to use historical data and analytics to drive strategic maintenance activities, thus adding real business value to partners and clients.

Enterprise Asset Management (EAM)

Infosys Enterprise Asset Lifecycle Management of Fixed Assets involves various stages including Planning, Acquisition, Operations, Maintenance, Modifications / Enhancements, and Disposal. EAM offers a comprehensive solution to plan effective maintenance of fixed assets over their lifetime to avoid expensive, unscheduled downtimes.

The solution caters to two types of maintenance – preventive and breakdown maintenance, and provides features to track maintenance activities on labor and materials used. This helps formulate the best maintenance and development strategies for businesses by providing features around assets for setting-up Preventive-Maintenance schedules, Checklists, and Item-requirements for each maintenance cycle, along with Service-Meter-Unit-based triggers that provide timely alerts for maintenance activities to be undertaken.



Business Drivers

Some of the key business drivers that lead to investment in robust Asset Management Solutions for an organization are:

- **Control Costs through reduced maintenance and procurement expenses** – Controlling the costs via :
  - Closer tracking of operations, safety, and maintenance.
  - Better-informed capital investment decisions.
  - Integrating procurements to maintenance jobs for effective control
- **Improve plant and equipment performance** – Plant and equipment maintenance can be improved by effective preventive and breakdown maintenance, better repair and response capabilities, which help in significantly reducing downtime.
- **Timely asset maintenance** – Timely maintenance of assets help in prevention of malfunctions and helps improve the assessment of the current equipment condition.

Apart from the above drivers, some of the other factors that need to be assessed for the successful running of operations are:

- **Cost of Assets** – Where the replacement costs of the assets is too high, there is a stronger need to extend the useful-life of the assets without compromising on the performance.
- **Cost of Failure** - Unplanned failures can throw the entire production/operations schedule out of gear. There should be enough controls in place to predict, prevent, or respond quickly to such incidents
- **Cost of Disruption** - Maintenance activities cause downtime and are a necessary evil. The schedules must be coordinated with ebbs in production schedules, planned, and executed seamlessly to minimize the cost of disruption.
- **Cost of Over Maintenance** - This will increase the cost of material, labor, downtime, and sometimes even be more detrimental to the machine than its benefit. It is required to have the optimum level of maintenance, frequency, and activities.
- **Cost of Accidents** - The loss of production time, human cost, and loss of goodwill are some of the factors that can be avoided with regular maintenance of equipment.

Solution Offerings

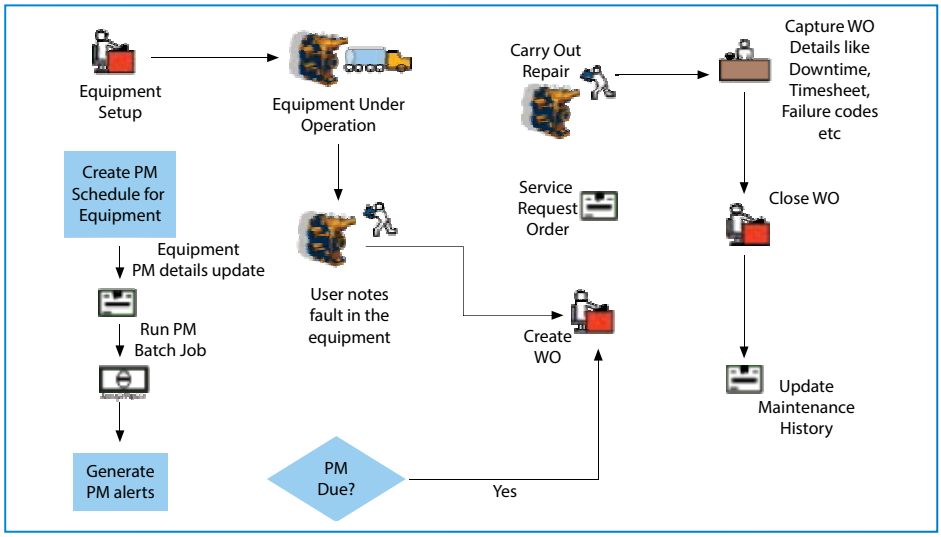
A few of the solution's features include:

Asset Maintenance – This feature has a provision to carry out maintenance for both mobile as well as immobile assets such as Industrial Machinery Maintenance, Rotary, Composer, Drier, and Press Load. This feature also has the capability to track procurements and material-issue against maintenance work orders, and carry out breakdown-maintenance or preventive-maintenance based on Service Meter Unit (Kilometers or Hours), and record Maintenance History.

Extensive control elements are built in to ensure process compliance and the procurement integrity. The feature also ensures scheduling and frequency of maintenance activities through service units for vehicles and and preventive repairs for other equipment.

To carry out various Maintenance-related activities; the following transactions are carried out using EAM:

- Work-order creation and execution



- Equipment Transfer (change of ownership, lending, etc.)
- Capturing Item Requirements and their Consumption
- Capturing Labor Efforts
- Capturing equipment utilization (on periodic basis)
- Preventive Maintenance Alerts and Updates
- Capturing Work-Order Details

Asset Ownership & Transfer Management – This feature allows management of equipment across companies, including acquisition, transfer of assets, re-allocation of costs for assets, let-out, and procurement of spares and services.

Reporting Framework – The reporting framework provides better visibility for effective production and maintenance-planning, as well as tracking and controlling defects.

Business Benefits

A few of the business benefits of the solution are:

- Comprehensive update of maintenance data including integration to AX modules. This helps reduce unplanned downtimes and sustain planned productivity levels
- Optimal maintenance, repair, operations, and automated fulfillment of spare parts, supplies, and services through intercompany network.
- Ability to track financial performance of assets through detailed reporting and attaching maintenance costs down to individual asset components.
- Comprehensive asset maintenance data to ensure operation of assets at maximum availability.
- Reporting tools to provide detailed daily, analytical, and periodic reports to enable timely and informed decision-making.
- Effective planning of spares for maintenance activities for optimizing inventory of spares and consumables.

For more information, contact askus@infosys.com

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