

B2B Plant Maintenance for Microsoft Dynamics AX



B2B SOFTWARE TECHNOLOGIES uses highly skilled resources to develop solutions that solves horizontal and vertical issues in business processes. these solutions contain functionalities needed by our customers and save their valuable time and money as they avoid expensive customer modifications for their systems.

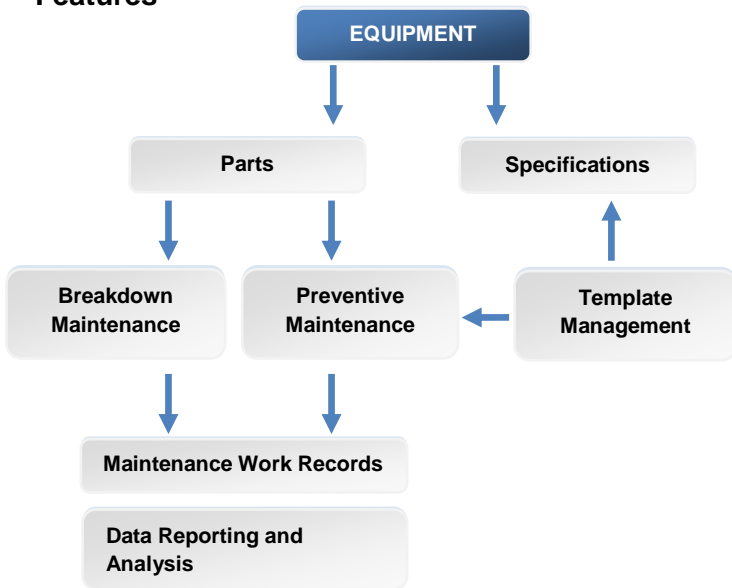
Overview

B2B Plant Maintenance Add-On (PMA) addresses various requirements of engineering and process industries.

It is a complete solution for the machinery & equipment requirements.

It enables organizations to efficiently improve & sustain life of machinery & equipment & thereby increasing productivity.

Features



The various features include:

- Machine Master
- Definable Lookup Data

- Data element definition
 - Specification
 - Preventive Maintenance
 - Spares
- Mapping Data Elements
- Complaints and Work Records
- Internal Messaging including SMS (on demand)
- Analytical reports
- User-friendly GUI

Technical

- Compatible with AX 4.0
- Minimal objects loaded
- No mandatory Modules / granules

Machine

Description	Component	Frequency	Inspection Type	Start Date	Next Due Date	Hours Required	Resource Cost	Spares Cost	Total Cost
Daily Cleaning	Hydraulic Unit	Daily	Internal	06/11/08	06/12/08	1.00	440.00	3.50	443.50
Overhauling	Generator	Monthly	Internal	06/10/08	07/10/08	0.00	0.00	0.00	0.00
Changing Lubric...	Cooling Unit	Weekly	Internal	06/10/08	06/17/08	2.00	4,400.00	3.74	4,403.74
Check Oil Levels	Generator	Daily	Internal	06/11/08	06/12/08	0.00	0.00	0.00	0.00
Motor	Generator	No of hou...	Internal	07/17/08	07/17/08	0.00	0.00	0.00	0.00

SL NO	Line Type	Code	Description	Time Required	Quantity	UOM	Unit Cost	Amount	Remar
1	RESOURCE	LINDA	Linda Martin	1.00	0.00	HOUR	440.00	440.00	
2	SPARES &...	1170-PLM	Tube	0.00	2.00	PCS	1.75	3.50	

Defines the Machines and the associated attributes such as

- Machine attributes
- Specifications
- Spares
- Maintenance Schedules
- Machine Movements, Etc
- Breakdown Maintenance

Templates

Define the template

- Map / Attach the template.
- Data gets de-linked and can be managed independently.
- This concept is extended to various elements such as specifications, Maintenance schedules etc.

Preventive Maintenance

Description	Inspection Type	Start Date	Actual Start Date	Hours Required	Status	Observation
▶ Check For Motor Noise and Vibration	Internal	11/20/07		0.00		

- Define Maintenance item
- Define Maintenance elements
 - Frequency
 - Special instructions
 - Safety notes
 - Tools required
 - Attach documents
- Attach the schedule to Machine
- Generate PMR Job card based on the schedule
- Conduct the work
- Record the work

Collect various, Knowledge Management content, preserve and attach to the specific equipment for ready reference.

Breakdown Maintenance

Complaint No.	
Date	10/13/08
Time	10/16/08 05:09 PM
Machine No.	
Machine Name	
Maintenance Type	Breakdown
Problem Description	
Criticality	
Employee Name	SUPER

- Defines Breakdown
- Attend to the Breakdown
- Record findings
 - Work Done
 - Resources deployed
 - Special Notes
 - Hours Lost
 - Hours Worked. Etc
- Monitor Breakdown
- Analyze Breakdown

Analysis

Defines data to be analyzed and the same is analyzed textually.

Communication

With the help of the messaging module, which is integrated into the Plant Maintenance add-on, send messaging in various forms such as...

- Alert Messages
- Outlook messages

The application automatically identifies the responsible field staff for the specific machine and sends the message accordingly.

Machine Card

Sl. No	Specification Group	Specifications	Value	Description
1	General	Weight		F5
2	Electrical	Power - Watt		
3	Electrical	Voltage		
4	Mechanical	RPM		
5	Mechanical	Air pressuer		
6	General	Discharge		

- Machine Card is used to manage the Machine information.
- Machine Card has Five Menu Items Specification, Spares, Breakdown, Pictures and Functions.
- Through Functions Menu Item user can navigate to Different Sub forms like Specifications, Spares, Movements, and Breakdown.
- Specifications Menu Item contains Attachment function.

Machine Lookups

Through Lookup Form user can select different Lookup types like Machine Types, Machine Locations, Specification Groups, specifications etc., by selecting the Filter Lookup Type.

Maintenance Schedule

The application provides facility to define the maintenance schedule independently and can later be attached to any specific machine.

This form provides the facility to define the Maintenance Schedule parts and Operational Particulars to each and every part for different Maintenance Sub Assemblies. The user can select the Maintenance Subassembly through lookup such as Cooling Unit, Compressors and User can define generalized Maintenance Schedule.



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