

# B2B Plant Maintenance for Microsoft Dynamics AX



## INCREASE THE EFFICIENCY OF YOUR MACHINES & EQUIPMENTS WITH B2B PLANT MAINTENANCE FOR MICROSOFT DYNAMICS AX

B2B Plant Maintenance Add-On for Microsoft Dynamics AX addresses various requirements of engineering and process industries. It is a complete solution for your machinery & equipment service requirements.

It allows you to efficiently improve & sustain life of machinery & equipments, thereby increasing productivity.

B2B Plant Maintenance Add-on for Microsoft Dynamics AX enables you to maintain details about equipments, spares, resources, cost incurred and frequency of preventive maintenance, breakdown complaints, mean time between breakdowns, the total run time of a machine, and run time between breakdowns.

The various features of B2B Plant Maintenance Add-on for Microsoft Dynamics AX include:

### Equipment Master

- Equipment master is used to manage the equipment information like the mechanical, electrical specifications, the manufacturer and vendor details, schedule of maintenance, dimension with facility to attach documents related to the equipment and attach image of the machinery.
- Equipment master has five menu- item specification, spares, plan, pictures and equipment BOM.

- Through functions Menu Item user can navigate to different sub forms like specifications, spares, movements and breakdown
- User can attach word documents or images to each specification.

Specification group	Specification	Value
MECHANICAL	RATING	500KVA
ELECTRICAL	AMPERAGE	300 AMPS
MECHANICAL	FIRING ORDER	1-8-12-6-4

### Equipment Lookup Master

Lookup Master allows you to select different lookup types like equipment types, equipment locations, specification groups, specification templates, equipment templates, maintenance schedule templates, frequency, inspection type, maintenance unit, complaint status, criticality of complaint, calibration, etc by selecting the filter lookup type.

## Maintenance Schedule

The application provides you the facility to define the maintenance schedule independently and attach to any specific equipment. This form enables you 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 sub assembly through lookup such as cooling unit, compressors and user can define generalized maintenance schedule.

Maintenance order	Equipment id	Equipment name	Maintained...	Calendar id	Execute Date	Status	A
000104_02	000146_PM	CP COMPRESSOR	AJE	Test1	1/9/2009	Ended	✓
000105_02	000146_PM	CP COMPRESSOR	ALA	Test1	1/9/2009	Ended	✓
000106_02	000146_PM	CP COMPRESSOR	ALA	Test1	1/9/2009	Ended	✓
000117_02	000146_PM	CP COMPRESSOR	AJE	Test1	1/10/2009	Ended	✓
000118_02	000146_PM	CP COMPRESSOR	AJE	Test1	1/12/2009	Ended	✓
000119_02	000146_PM	CP COMPRESSOR	ALA	Test1	1/12/2009	Ended	✓
000120_02	000146_PM	CP COMPRESSOR	AJE	Test1	1/12/2009	Ended	✓
000123_02	000004_01	equipment	ALA	TRAIL	1/12/2009	Created	✓
000122_02	000163_PM	equipment	AJE	Test1	1/12/2009	Started	✓

Task	Description	Status	S.	Estm...
10	checking lub oil level	Closed	✓	03:00...
20	checking motor load	Closed	✓	04:00...
30	checking loading unloading param...	Closed	✓	05:00...

## Preventive Maintenance

Equipment Master In preventive Maintenance user can

- Define maintenance elements
- Plan frequency and calendar for maintenance for each equipment,
- Provide special instructions related to the maintenance
- Record safety notes and the tools & resources required for maintenance,
- Generate maintenance order based on schedule, perform the task and record the activity.

Plan no	Plan	Approve by	Created by	Equipment id	Ap...	Last Maintenance...	Next Maintenance...
000093_PPM	Day	AJ	raman	000137_PM	✓	12/19/2008	12/20/2008
000097_PPM	Yearly	AJ	raman	000137_PM	✓	12/16/2008	12/16/2008

Task	Description	Inspection type	Employee	Estm...
10	checking lub oil level	MECHANICAL	ESA	00:10...
20	checking motor load	ELECTRICAL	JAL	00:00...
30	checking loading unloading param...	MECHANICAL	JLA	00:05...

## Breakdown Maintenance

This feature enables you to raise a breakdown complaint in the solution, attend to the complaint, record findings and the work done, resources deployed, the hours lost due to breakdown, hours worked on breakdown complaints etc.

Time of Failure: 17:00:00

Type of Failure: ELECTRICAL

Work center: wc-2

Priority: VERY HIGH

Equipment status: In use

Description: Abnormal noise from the front end bearing of the motor. Motor taking high load.

Microsoft Dynamics

Notification registered and Equipment status is under Breakdown

## Automated communication

B2B Plant Maintenance Add-on is integrated with the messaging module to send alert messages and outlook messages. The add-on automatically identifies field staff for the specific equipment and sends the message accordingly.



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