Maintenance Management
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Pronto Xi Solutions Overview

Reduce breakdowns and service costs by making sure your equipment is in top shape, and that the right parts and manpower are handy whenever something goes wrong.

Maximise planning and control of your plant maintenance activities with Pronto Xi Maintenance. Effortlessly monitor your preventive and predictive maintenance, plant downtime, failure rate against targets, expected life, fault repairs, and equipment and repair costs within a single, comprehensive module.

Maintenance automatically collates vital data from across your facilities, giving you full control of how you view your outcomes. Spot failures and identify maintenance improvement opportunities swiftly with fault analysis reporting, and keep an eye on repair ramifications with full work order integration.

Some of the key features of Maintenance are:
- Full equipment profile of components and Parent Item
- Priority work order allocation
- Condition monitoring
- Automatic inventory allocation
- Work order forecasting
- Work request process
- Configurable monitor points
- Defect work order recording
- Integration to Microsoft Project
- Stock purchasing
- Customer invoicing for completed work

Equipment register

Maintenance contains an equipment register where detailed information about the equipment is recorded. Items can be classed as:
- **Asset** – relates to a fixed asset
- **Component** – an inventory item
- **Level** – used in costing/enquiry mode, relating plant items to each other

You can identify each item by its own unique number as well as an identifier related to a fixed asset or an item serial number. This allows you to quickly identify items and allocate maintenance details to the correct item. The identifier may reflect an existing equipment numbering system already in use.

Equipment can be grouped by cost centre, type and location, and categorised by equipment, assemblies and sub-assemblies.

Manufacturer details are recorded as well as other details such as the supplier, warranty date, installed costs, installation date and other associated costs. Budgets and actual costs incurred are held by plant item per period per year for labour, materials and usage.

The Plant Tree view allows easy access to the plant item records and gives a highly visible overview of plant items and their components.
Preventive and predictive maintenance

Plant managers can implement a maintenance strategy for a plant in the form of preventive and predictive maintenance tasks. The maintenance strategy can be developed and implemented based on run time, condition, statutory inspection requirements or scheduled shutdowns.

Flexible PM Tasks enable plant managers to tailor specific schedule service intervals and frequencies, and because PM Tasks has a one-to-many relationship with Plant Items, any changes to tasks automatically flow through to all attached serviceable items.

Maintenance enables plant managers to compare ‘scheduled’ versus ‘actual’ for both activity and costs. Full-cost history reporting is available to assist decision-making in regards to replacing or maintaining equipment.

Work Order fault reason code

You can record fault reason codes against Work Orders before the completion of work. Maintenance Management users can analyse and track work orders by fault reason code during the lifecycle of the work order.

Return Pick to alternate warehouse

When managing picking slips for Work Orders, you may need to return allocated materials to an alternate repair warehouse. If this is the case, the warehouse code on the picking slip header can be changed to an alternate warehouse when raising the return picking slip.
Component change out

A rotable repair is where a new or previously repaired item or component replaces a failed item, which in turn is repaired and kept for another exchange.

There are effectively two processes:

1. The repair of the plant item, where the rotable item is one of the components of the repair (the repair could include multiple items of which the rotable item is just one of many)

2. The repair of the rotable item itself

An item of plant and equipment may consist of several large components, for example, a truck will have an engine, drive train, suspension, pumps, etc. The pressure to keep a truck on the road and productive requires that its maintenance is completed quickly. It is often more efficient to replace a large or complex component than repair the component.

The plant item is quickly back to being productive and the component can be repaired over a more manageable timeframe, or sent out to a 3rd party for repair.

Components removed from a plant item during maintenance are not always scrapped or discarded. An item such as a truck engine can be reconditioned and re-used. Many reconditioned components have a limited overall life, cannot be reused indefinitely, and will eventually be scrapped.

Ability to track the components

Working with existing inventory management and project management modules, you can track the components being repaired, scrapped or reworked, whether in house or via an external service provider.

This is all controlled via a picking slip workflow.
Work order management

A wide range of reports and enquiries is available to allow users to prioritise and plan work orders using information such as plant item relationships.

The work order cycle can be managed from plan to completion. Several enquiry/report options exist to search for work orders based on the components of the work order itself, from related plant items or via text string pattern searches.

You can use work order forecasting to produce the maintenance schedule, confirm manpower requirements, and provide KPIs that summarise and show trends of scheduled loading and completion. Work orders can be set up to allow printing of any specialised documentation, licences and plans.
Maintenance work order planning
Enter maintenance requirements directly into Maintenance as a work request and then reject, approve or set to a status of defect upon review. Defects can then be addressed, corrections and maintenance tasks planned and scheduled.

An estimate of hours, equipment and parts required for the task can also be generated. This information may be predefined on a preventive maintenance task and used as a template for the work order.

To allow for the capture of meter readings, comments and actual downtime or duration, the status of a work order changes progressively until completion.

Maintenance work order forecasting
Using work order forecasting, Maintenance can generate preventive maintenance work orders when they fall due. Planned maintenance can be entered into the system, transferred from a work request, or converted from a work order forecast.

Once a work order has been generated via the forecasting process and issued to the person responsible for maintenance, the plant work order is now in progress.

Work order priorities
Maintenance supports work order classification and escalation by priority. The use of priority codes enables key work to be planned, resulting in scheduling and execution of the work in a timely and efficient manner.

Resource planning
A predicted workload for each labour type can be compared against the available working hours to help identify potential work overload.
Inventory management

Manage your spare parts availability with Inventory Management. Inventory control, warehousing and purchasing are provided when linked to other modules of Pronto Xi. Serial number tracking of component issues allows easy identification of component items within a plant asset.

Warehouse, Inventory and Purchasing

When coupled with Pronto Xi inventory and Purchasing, Maintenance provides maximised warehouse throughput and customer service by intelligently controlling movements of replacement parts into, around and out of the warehouse.

Maintenance keeps track of both repairable and rotable inventory items, which includes the procurement of necessary parts and services. Pronto Xi Inventory contains a wide range of reports and on-screen enquiries into inventory levels, prices, sales orders, purchase orders and historical sales.

With Pronto Xi Purchasing, a number of functions are included to help you plan future inventory requirements. By combining data on inventory levels, sales history and current commitments, purchase orders can be automatically generated based on a number of flexible criteria.

Intelligence

Perform effortless and deeper analysis into key aspects of Maintenance using Pronto Xi Analytics Dimensions for Maintenance. A prebuilt hierarchical data format is available to allow intuitive analysis of Plant Items, Works Orders and Work Order Transactions using easy drill-up and drill-down navigation.
The right call

We're always ready to adapt Pronto Xi to perfectly fit your unique requirements.

For more information on what we can do for your business, contact us at 1300 PRONTO (1300 77 66 86) or find us at: www.pronto.net