PRONTO Xi

Applications Overview

Maintenance Management

Part of the Asset & Facility Management application

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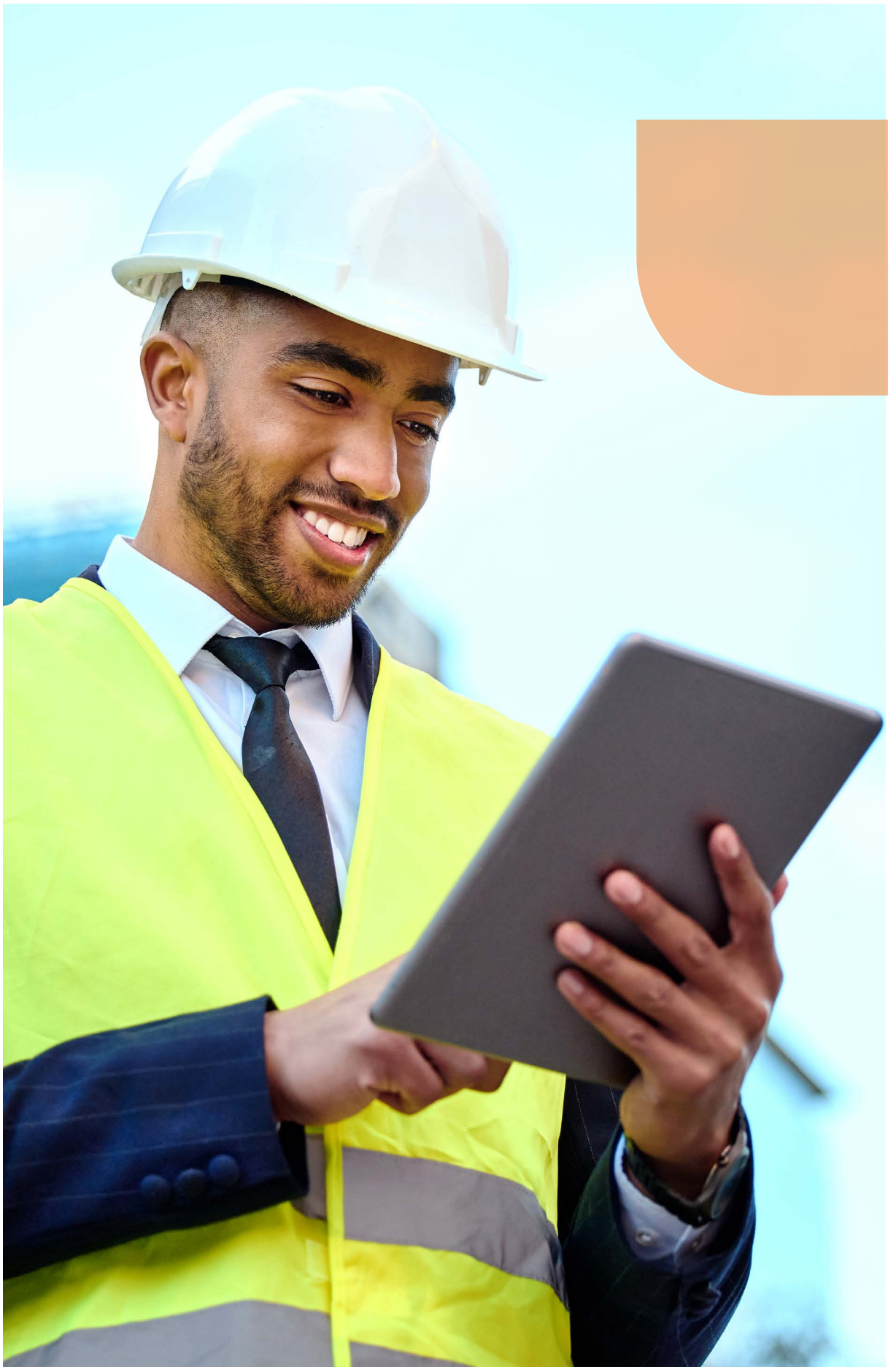


Maintenance Management

Leverage Maintenance Management to keep your equipment in top shape, helping you reduce breakdowns and service costs, and act quickly if an issue occurs

Maximise the planning and control of plant maintenance activities with Maintenance Management.

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 Management automatically collates vital data across your facilities, giving you full control over your equipment. Swiftly spot failures, identify maintenance improvement opportunities with fault-analysis reporting and monitor repairs through the work order integration.

Key features of Maintenance Management include:

- equipment profile of parent items and components
- priority work order allocation
- condition monitoring
- automatic inventory allocation
- work order forecasting
- work request process
- configurable monitor points
- defect work order recording
- integration with Microsoft Project
- stock purchasing
- customer invoicing

Equipment information

Maintenance Management contains an Equipment Register that records detailed information about the equipment.

Class items as:

- **Assets** — Relates to a fixed asset
- **Components** — Relates to an inventory item
- **Levels** — Used in costing/enquiry mode, and relates plant items to each other

Identify each item by its own unique number, an identifier related to a fixed asset, or an item serial number, which helps you quickly find items and allocate maintenance details to the correct item.

The identifier can also reflect an existing equipment numbering system you already use.

Group equipment by cost centre, type and location, and categorise by equipment, assemblies and sub-assemblies.

The Equipment Register records manufacturer details and information such as the supplier, warranty date, installed costs, installation date and other associated costs. Budgets and actual costs incurred are held by plant items per period per year for labour, materials and usage.

The Plant Tree view allows easy access to the plant item records, and provides a clear overview of plant items and their components.

Preventative and predictive maintenance

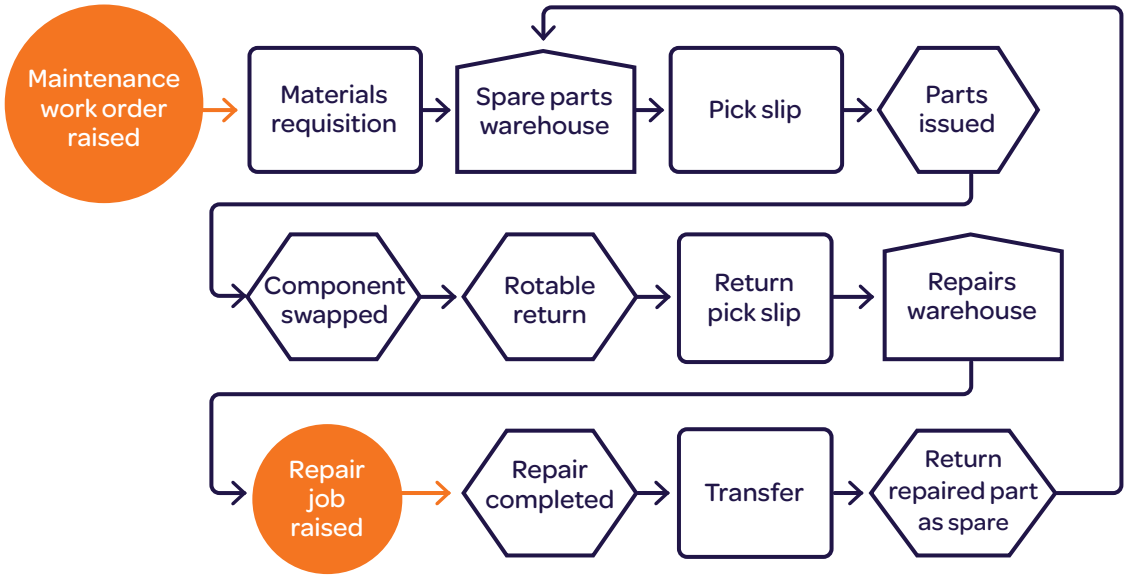
Plant managers can implement a maintenance strategy in the form of preventative and predictive maintenance tasks based on run time, condition, statutory inspection requirements or scheduled shutdowns.

Pronto Xi's flexible Preventative Maintenance (PM) Tasks functionality can be tailored to specific scheduled service intervals and frequencies. PM Tasks has a one-to-many relationship with plant items, so task changes automatically flow through to all attached serviceable items.

Plant managers can also compare "scheduled" versus "actual" for both activity and costs, while full cost history reporting helps you decide whether to replace or maintain equipment.

Fault reason codes

You can record fault reason codes against work orders before the completion of work, allowing you to analyse and track work orders by fault reason code during the lifecycle of the work order.



Workflow work orders in Maintenance Management

Returning materials to an alternative warehouse

Sometimes, you may need to return allocated materials to an alternative repair warehouse. If this is the case, change the warehouse code on the picking slip header to an alternative warehouse when you raise the return picking slip.

Component change-outs and tracking

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

There are effectively two processes:

- The repair of the plant item, where the rotable item is one of the components of the repair. (The repair could include multiple items, with the rotable item being just one of many items)
- The repair of the rotable item itself

A plant and equipment item may consist of several large components. For example, a truck has an engine, drive train, suspension and pumps. The pressure to keep a truck on the road means its maintenance needs to be completed quickly. It is often more efficient to replace a large or complex component than repair the component itself, as this allows the plant item to resume production more quickly. The large or complex component can then be repaired over a more manageable timeframe or sent to a third party for repair.

Components removed from a plant item during maintenance are not always scrapped or discarded — an item such as a truck engine, for example, can be reconditioned and reused. Many reconditioned components have a limited overall life, however, and will eventually be scrapped.

Using Pronto Xi's Inventory and Project modules, you can track the components being repaired, scrapped or reworked, whether in-house or via an external service provider, and control this via a picking slip workflow.

Work order management

Maintenance Management provides tools to manage the entire work order cycle, from planning to completion.

A wide range of reports and enquiries are available to assist users in prioritising and planning maintenance work orders. Search for work orders based on components, related plant items, or text string pattern searches.

Work orders can also be set up to approve the printing of any specialised documentation, licences or plans.

Maintenance work order planning

Enter maintenance requirements directly into Maintenance Management as a work request, then review the request and reject or approve it, or set it to Defect status. You can then address defects, and plan and schedule corrections and maintenance tasks.

You can also estimate the hours, equipment and parts required for the task. Predefine this information on a preventative maintenance task and use it as a template for the work order.

The work order status captures meter readings, comments and actual downtime or duration and changes progressively until the task is complete.

Work order forecasting

Use work order forecasting to produce the maintenance schedule, confirm staffing requirements and analyse key performance indicators (KPIs) to understand scheduled loading and completion trends.

Work order forecasting also allows you to generate preventative maintenance work orders when they become due. Enter planned maintenance into the system, transfer from a work request, or convert from a work order forecast.

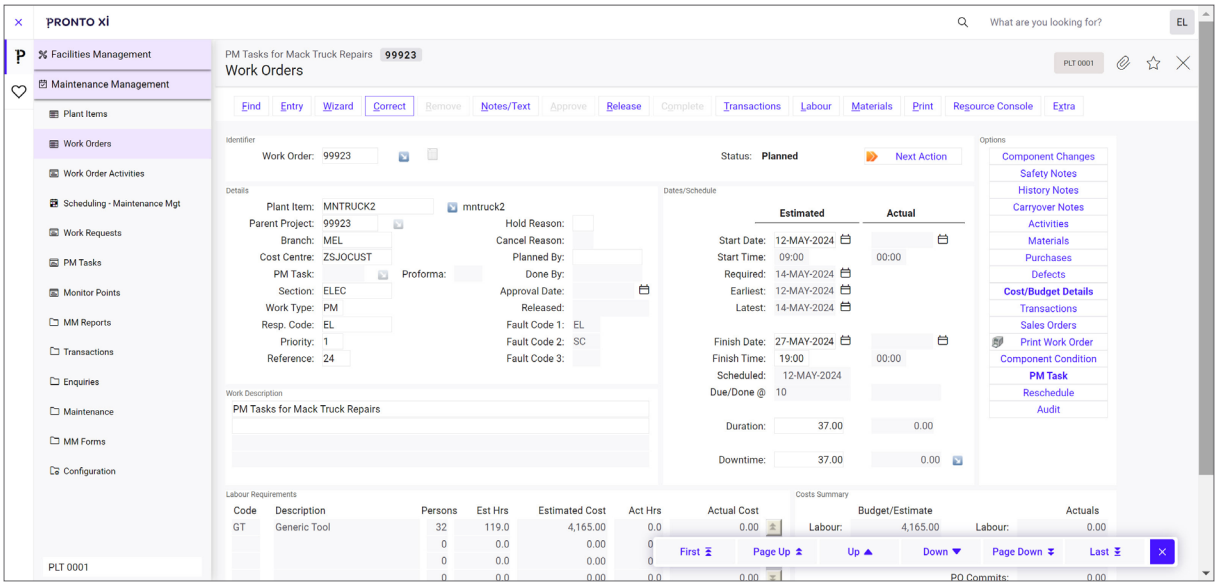
Once a work order has been generated via the forecasting process and issued to the person responsible for maintenance, it is in progress.

Work order priorities

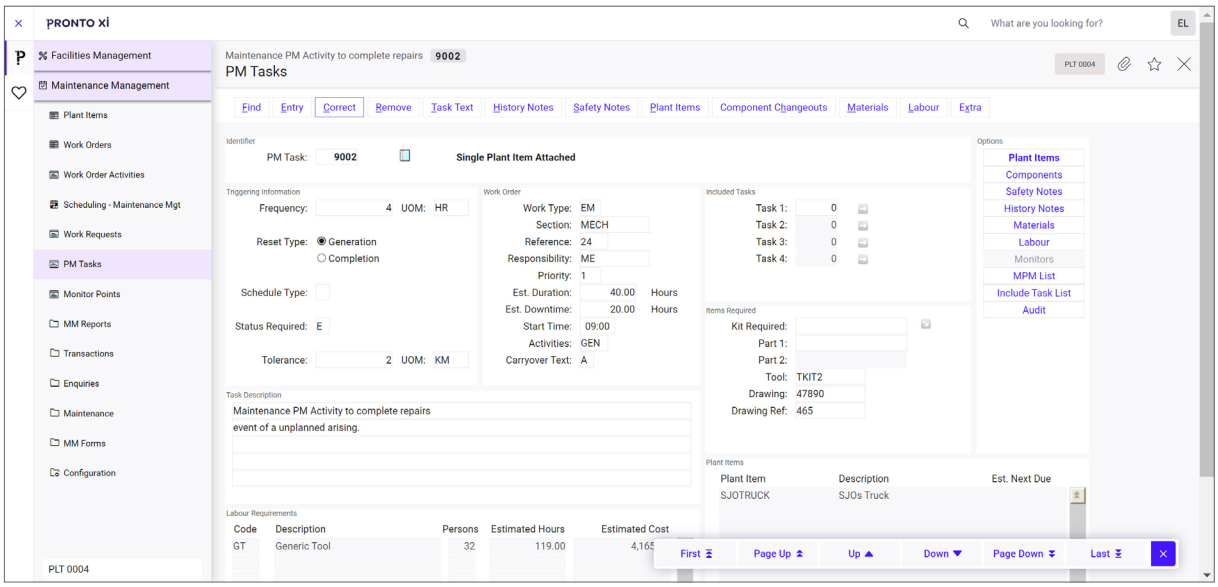
Maintenance Management supports work order classification and escalation by priority. Priority codes enable key work to be planned and executed in a timely and efficient manner.

Resource planning

Compare the predicted workload for each type of labour to the available working hours, helping you identify potential work overload.



Create and maintain work orders



Create tasks from your work orders

Resource Management integration

Maintenance Management works seamlessly with Resource Management, significantly boosting maintenance productivity.

Prevent scheduling issues and conflicts with planned maintenance by treating the plant items as resources and updating their availability information.

Generic resources can be associated with your Maintenance Labour Categories. Group and assign resources to work orders as a team and simplify your maintenance planning.

Resource Management also allows sub-contractors or users to accept or decline work orders, projects task or rosters via email without logging onto Pronto Xi.

Resource Scheduler integration

Resource scheduling is essential to service, project and maintenance management activities. Pronto Xi's Resource Scheduler enables you to meet deadlines and stay on budget, and ensures minimum strain is placed on employees and resources.

Resource Scheduler allows you to allocate the most appropriate resources to carry out maintenance work order requirements. Once the Resource Scheduler is in use, planning is based on historical data and adjusted to anticipate bottlenecks and low activity periods, eliminating guesswork.

Inventory management

Manage spare parts availability with inventory management. Inventory control, warehousing and purchasing are all supported when Maintenance Management is linked to other modules of Pronto Xi.

Serial number tracking of component issues allows you to easily identify component items within a plant asset.

Integration with Inventory and Purchasing

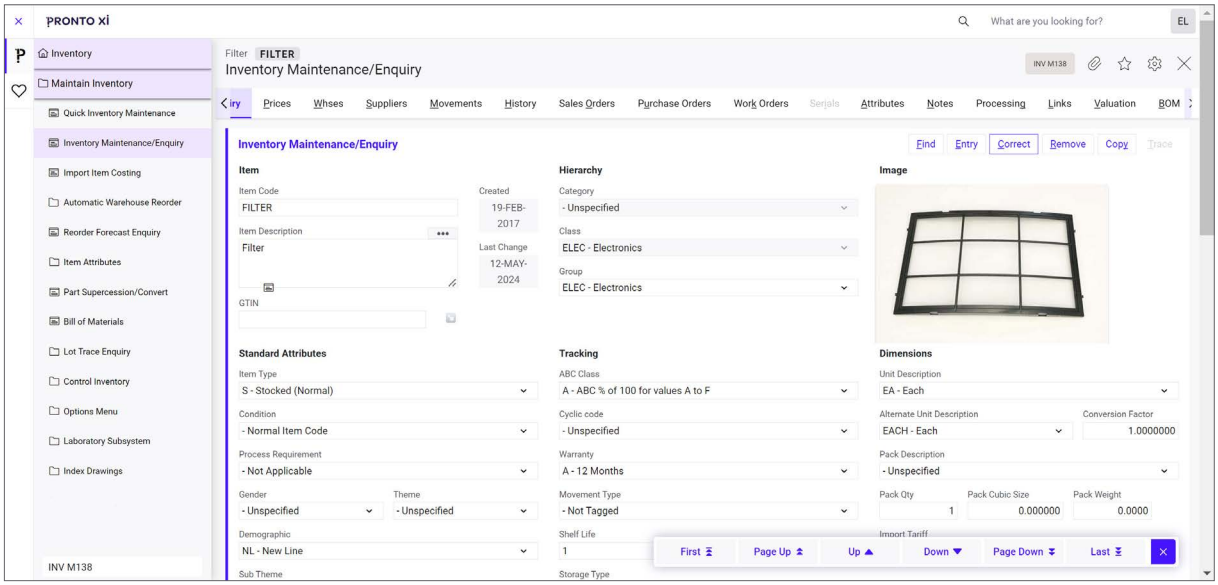
When coupled with Pronto Xi's Inventory and Purchasing modules, Maintenance Management provides optimised warehouse throughput and customer service by intelligently controlling movements of replacement parts into, around and out of the warehouse.

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

Purchasing provides several functions to help you plan future inventory requirements. By combining data on inventory levels, sales history and current commitments, you can automatically generate purchase orders based on flexible criteria.

Intelligence

Perform deep analysis of key aspects of maintenance management effortlessly using Analytics Dimensions. A pre-built hierarchical data format allows intuitive analysis of plant items, work orders and work order transactions using drill-up and drill-down navigation.



View and enter detailed information about an inventory item

About us

PRONTO SOFTWARE

We are an Australian developer of award winning business management and analytics solutions. Pronto Xi, our Enterprise Resource Planning (ERP) software, integrates accounting, operational and mobile features in a single system – optimising business processes and unlocking actionable insights. That's why for more than 45 years, over 1,500 Australian and global organisations, across a wide range of industries, have trusted Pronto Xi to simplify their most complex challenges.

With headquarters and our Development Centre located in Melbourne, we have support offices and consultants based across Australia, as well as a global network of Resellers and Solution Partners. Specialised business units within Pronto Software have the expertise to assist you with pivotal technology – Digital Transformation with Pronto Woven, Cloud and Hosting services with Pronto Cloud and Business Intelligence solutions with Pronto iQ.

When you choose Pronto Software, you gain a team with deep industry experience, giving us the ability to understand your specific needs and build innovative solutions that drive business growth and revenue.

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