



mainpac
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Mainpac Module: Maintenance Planning

The maintenance planning module is the core of Mainpac and allows you to accurately record information relating to every aspect of maintenance work. It enables you to schedule preventive maintenance ahead of time or, alternately, enter reactive work once the job has been done. In addition to these features, meter readings and usage can be entered, budget details recorded and employee information stored. All this means that you get an accurate history and efficient control of all plant items along with complete job histories, which ensure the most effective use of available resources.

Plant function

- A plant item is the basic unit against which maintenance histories and costs are recorded.
- Plants can be assigned statuses to allow for seasonal retirements and other periods of inactivity.
- Plant attributes allow a virtually unlimited number of user-defined fields.
- Drawings and documents can be linked to individual plant records.
- There can be a virtually unlimited number of plant items depending on your disk capacity.

Plant Structures function

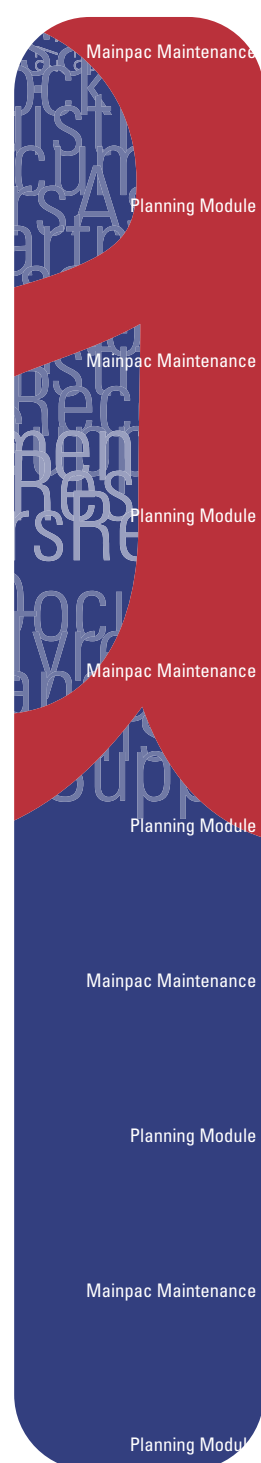
- A plant may have the following structure types: Normal, Rotable, Workshop & Storage.
- Allows related plant items to be grouped graphically in hierarchies.
- Branches of plant structures can be expanded and collapsed to show more or less detail.
- Plant items can be relocated in the structure.
- Each Plant Structure can include items in up to 45 levels. Any one structure can have up to 2000 items in it.
- Substructures may be cut from one structure and pasted into another.
- Both standard and minor jobs can be raised directly from the Plant Structure.
- Job Requests can be raised from the Plant Structure screen within the Job Request program.

Jobs function

- A job is the basic unit against which job histories and costs are recorded.
- A range of table validated reference, value and date fields can be user-defined.
- Job numbers are automatically generated but may be replaced or a prefix added.
- Job templates can be created by direct entry or by copying details from an existing job.
- Prompts to generate or email jobsheets when jobs are released and closed.
- Jobs can be linked to one another to indicate related work.
- When planning individual jobs, a warning is displayed if there are existing requested, planned or issued jobs or defects for the same plant item.
- A pop-up menu item allows you to view a summary of planned and issued jobs for the same plant item as the current job.

Usage function

- Allows meter readings and runtime usage details to be recorded for maintenance scheduling.
- Descriptions can also be entered for each entry allowing the recording of greater detail.





Tasks function

- Task numbers are automatically generated but may be replaced or a prefix added.
- Allows scheduling details for maintenance activities to be recorded for job forecasting.
- Tasks may also be suspended to allow for seasonal shutdowns.
- Time or usage-based scheduling is available.

Departments function

- Allows information about plant items to be grouped by department or cost centre.

Rotables

- When rotables are moved within structures, their location, and matching locations of any children are optionally changed to the location of the new parent. The same applies to their departments.
- A multiple search Rotable History report summarises the movements and usage of rotables.

Fault Reports

- Fault reports can be entered by operators unfamiliar with the Mainpac numbering system as free format text - no plant number is required.
- A fault report results in a minor job with the status 'requested'.

Defects function

- Allows defects to be registered and prioritised for maintenance planning.
- Outstanding defects can be merged into the work plan for a job and once merged are automatically removed from the defects list.

Minor Jobs

- This is a simplified view of the normal job sheet file. Although the data entry is simplified, a normal job is still actually created.

Resources function

- Allows details of maintenance resources (labour, contractors, materials and other resources) to be recorded.

Employees

- Details of employees can be recorded, e.g. name, address, contact information, trade, date of employment etc.
- A comments field allows up to approximately 1000 additional lines of free-format information (e.g. certificates, licences held etc.) to be stored for each employee.
- A type field allows the classification and grouping of employees working in similar fields.
- Labour transactions can be entered against employee numbers.

Kit List function

- Allows a kit list to be assigned to a job.
- Related kit items can be grouped within a kit list.
- Plant spares can be copied from the plant spares list to a kit list.
- Stock or non-stock items can be added to a kit list (if the Inventory module is installed).
- Issues and Returns can be done directly from a kit list.

Forecast Jobs function

- Forecast preventive maintenance tasks due up to a future date or for a number of days from today, can be generated on a regular or ad hoc basis.
- Labour, Material and other costs posted to Jobs are rolled up to Plant items, Departments and Structures (Plant & Department) if used.

Cost function

- Allows information about projected and actual costs to be recorded for comparison.
- Allows job costs and hours details to be recorded against jobs.
- Allows premium hours (e.g. overtime) to be recorded as multiples of the normal labour rate.
- Estimated labour and material costs can be automatically calculated.

Budget Calendars

- Fixed and variable periods as well as the standard calendar period budgets may be configured.

Capacity Planning function

- Displays maintenance workload for capacity planning.
- Allows the user to nominate a resource workload.
- Includes user-definable chart format, scaling and data parameters.

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