

REFMAN - Job Time Summary - Page 1 of 3

PALACE OF THE SEAS - DOCKING SPECIFICATION - IN THE YARD

FROM: 20-JUN-2021 TO: 24-JUL-2021

Denotes Critical Job

Job No.	Job Name	Start	End	Duration	% Complete	In Charge	Supplier/Contractor
<b>SECTION: A DRYDOCKING &amp; WHARFAGE</b>							
A.1	Finish Before A.2 Drydocking Vessel Starts	1	20-JUN-2021 00:00	20-JUN-2021 12:00	100.00%		
A.2	Drydocking The Vessel	1	20-JUN-2021 12:00	11-JUL-2021 12:00	21.60%		
	Start After B.2 Shiping Circ. Water Starts						
	Drydocking & Wharfage	1	20-JUN-2021 00:00	11-JUL-2021 12:00	21.60%		
<b>SECTION: B OFF HIRE CHARGES &amp; SERVICE DURING ANNUAL REFIT</b>							
B.1	Operations Rooms	4	23-JUN-2021 12:00	13-JUL-2021 12:00	20.00%		
B.2	Shore Steam Supply	7	26-JUN-2021 12:00	13-JUL-2021 00:00	16.50%		
B.35	Refrigerated Circ. Water	7	26-JUN-2021 12:00	13-JUL-2021 00:00	16.50%		
	Start Before B.2 Shore Steam Supply Starts						
	Off Hire Charges & Service During Annual Refit	4	23-JUN-2021 12:00	13-JUL-2021 12:00	53.00%		
<b>SECTION: C EXTERNAL SCALING &amp; PAINTING</b>							
C.1	Underwater Area Prep	1	20-JUN-2021 00:00	23-JUN-2021 12:00	100.00%		
C.1.15	Additional Preparation	2	21-JUN-2021 12:00	27-JUN-2021 09:00	5.80%		
	Finish Before C.2 Boatup Prep/Paint Starts						
	Start After C.1 Underwater Preparation Finishes						
	Boatup Area Preparation and Painting						
	Finish Before C.3 Loadline Draftmarks Starts						

**Automatic scheduling of related Jobs**

Jobs that are related can be "linked" together so that a change in the timing of one job can automatically update the schedule for another.

**Time scales & cost information**

Available side by side in all cost views.

**Choice of Timescales**

Months & Weeks  
Weeks & Days  
Days & Quarters  
Days & Hours

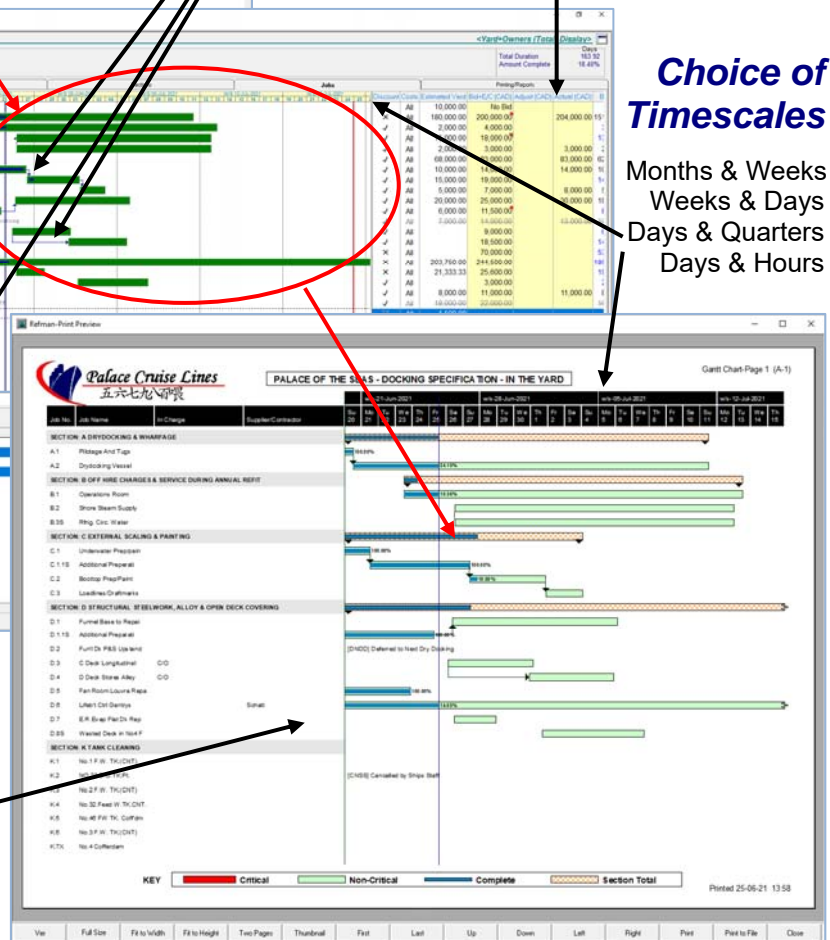
**Progress of each Job displayed on screen**

See at a glance which jobs are complete, which have not been started and which are in progress along with the proportion of work that has been completed.

**Printed time bar (Gantt) chart**

Generated automatically with choice of presentation (with/without links, with/without grid lines, etc.).

**Overview**



REFMAN's Time Management Module has been designed to provide people who are not project management 'experts' with a quick and simple means of keeping track of the progress of jobs during a repair period.

To achieve this, REFMAN automatically creates the framework for scheduling jobs and project planning as the specification is created and is updated automatically whenever jobs are added, deleted or cancelled from that specification. REFMAN also provides a means by which shipyards can supply the estimated start dates and durations for each job electronically so that these can be loaded automatically. Times and durations for other jobs

which are to be carried out by sub-contractors, specialists or ship's crew can then be added. REFMAN's Time Management module then combines this to produce a simple time bar (Gantt) chart which gives a pictorial representation of when each job is expected to start, how long it should take and when it should be finished.

All the Superintendent needs to do to keep this up to date during the repair period is to record which jobs are complete, which jobs are behind schedule and use the built-in "Update" option to set an approximate percentage complete for the remainder. The built-in "Reschedule" option can then be used to produce an up to date time bar (Gantt) chart showing exactly what is outstanding.

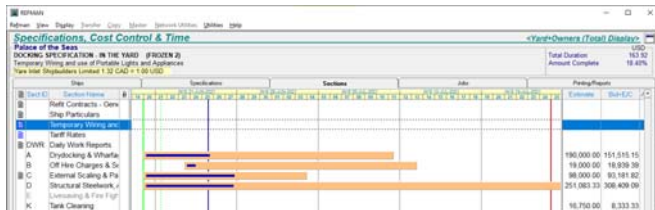
## REFMAN - Time Management Module

## ... ideal companion to REFMAN's Specification Generator & Cost Control Modules.

Provides the Superintendent or Port Engineer with facilities to schedule and monitor the progress of all jobs in a REFMAN specification. For each job it is possible to record start date & duration and optionally, specify which jobs must be completed before the next job can start, which jobs must at least have started before the next job can start and which jobs must be finished before the next job can be completed.

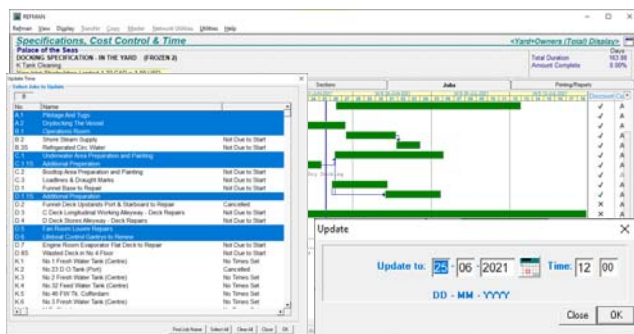
### Features

- Complete monitoring of the progress of jobs without the need to learn complicated project management software.



Section progress summary shows overall progress (on its own or alongside cost information in Cost Views).

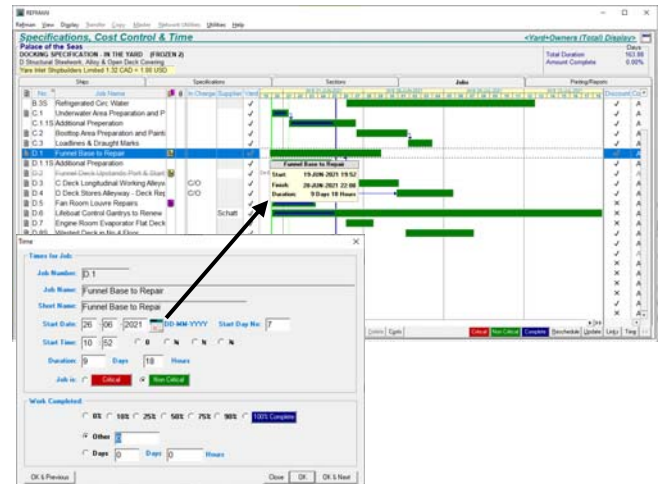
- Facility to enable the Shipyard to supply the estimated duration and start day (an actual date or a "day number" during the docking) electronically. This information can be requested as part of REFMAN's electronic 'Yard Quotation Package' and loaded up automatically.
- Schedule and monitor jobs carried out by owner's contractors, other specialists and ships crew.
- Full range of links including "later job cannot start before earlier job finishes", "later job cannot start before earlier job starts" and "later job cannot finish before earlier job finishes".



See the progress of each individual job with automatic updating.

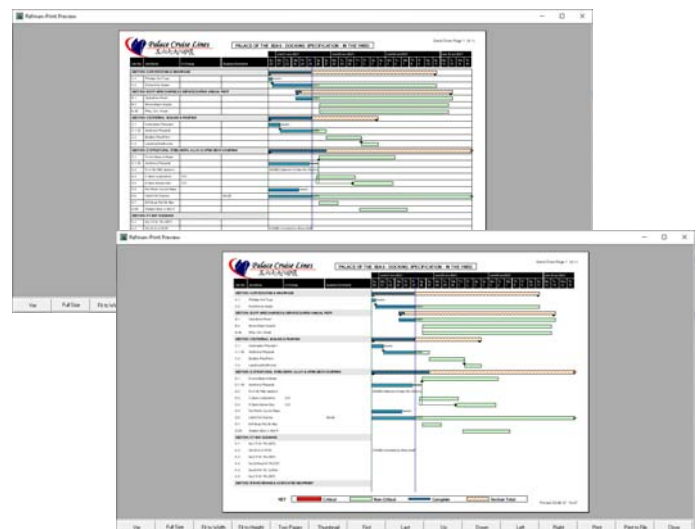
- Automatic updating of "Percentage Complete" for jobs that are "on schedule". Update just selected jobs; "all" jobs in a single section; all jobs in "selected" sections or all jobs in "all" sections in a specification.
- Automatic "Rescheduling" of incomplete jobs. Reschedule just selected jobs; "all" jobs in a single section; all jobs in "selected" sections or all jobs in "all" sections in a specification.

- If an earlier job is re-scheduled and this affects other later jobs (i.e. "linked" jobs) then the later jobs will be re-scheduled automatically. If a later job is re-scheduled which is affected by a link to an earlier job, the user will be prompted whether or not to remove the link.



Easy to use, just "drag and drop" to set times & durations.

- Choice of conventional numerical input for "dates & times" or simple to use on-screen "drag and drop" for both scheduling jobs and setting durations.
- On-Screen indicator in section view with pop-up information box to indicate that one job is linked to other jobs in different sections of the specification.
- Automatic Generation of time bar (Gantt) chart for the entire specification or just the jobs in a particular section.



Options to control appearance and scale of printed time (Gantt) chart.

- Flexible printing options which allow time bar (Gantt) chart to be printed with a choice of timescales, with or without links & with and without "gridlines" on the text and/or on the time bars.

System Requirements: As per REFMAN's Specification Generator or Cost Control modules.