

## On-screen totalling

REFMAN shows you constantly updated totals on the screen so you can easily see the current position relative to the budget.

## Automatic status report

REFMAN automatically generates a one page Repair Status Sheet showing a complete summary of all of the docking costs week by week or even day by day if required.

## Automatic yard comparison

REFMAN automatically generates a yard bid comparison report, in your own base currency which can automatically highlight the 'most expensive', 'least expensive', etc.

Item	Estimate	Actual	Forecast	Remaining
A Drydocking & Wharfage	133,508.00	13,500.00	147,008.00	132,307.20
B Off Hire Charges & Service During Annual Refit	161,736.00	14,200.00	175,736.00	161,911.10
C External Scaling & Painting	295,043.00	114,460.00	409,503.00	409,503.00
D Structural Steelwork, Alloy & Open Deck Covering	2,051,937.00	21,000.00	2,073,537.00	1,927,770.00
E Livessaving & Fire Fighting Equipment	592,150.00	118,866.00	710,646.00	710,646.00
F Deck Equipment & Fittings	102,073.00	102,073.00	102,073.00	102,073.00
G Internal Repairs	2,112,627.00	94,700.00	2,207,327.00	2,091,063.00
H Internal Painting	538,618.00	2,100.00	540,718.00	540,718.00
I Plumbing	468,014.00	7,891.00	475,905.00	475,905.00
J Tank Cleaning	427,977.00	7,891.00	435,868.00	435,868.00
K Main Engine & Associated Equipment	194,909.00	14,000.00	208,909.00	208,909.00
L Boilers & Associated Equipment	317,703.00	249,088.00	566,791.00	566,791.00
M Propellers, Shafting & Underwater Gear	345,636.00	795,958.00	1,131,594.00	1,131,594.00
N Alternators, Generators & Associated Equipment				
<b>Specification Total</b>	<b>8,071,305.00</b>	<b>2,918,356.00</b>	<b>11,989,661.00</b>	<b>10,481,218.30</b>
<b>Total Discount</b>				
<b>Spec Net of Discount</b>	<b>8,071,305.00</b>			
<b>Budget Remaining</b>				<b>1,508,442.70</b>

Yard Items	Week 1	Week 2	Week 3
Original - Bid	609,280.00	609,280.00	609,280.00
Original - Exclusions	14,400.00	14,400.00	14,400.00
Original - No bid	7,000.00	7,000.00	7,000.00
Original - Adjustment			
Original - Cancelled		(28,000.00)	(84,000.00)
<b>Original - Total</b>	<b>630,680.00</b>	<b>602,680.00</b>	<b>545,680.00</b>
Supplementary - Bid	25,200.00	25,200.00	25,200.00
Supplementary - Exclusions			
Supplementary - No bid			
Supplementary - Adjustment			
Supplementary - Cancelled			
<b>Supplementary - Total</b>	<b>25,200.00</b>	<b>25,200.00</b>	<b>25,200.00</b>
<b>Extras</b>	<b>6,230.00</b>	<b>6,230.00</b>	<b>135,230.00</b>
<b>Gross Shipyard Cost</b>	<b>662,110.00</b>	<b>634,110.00</b>	<b>707,110.00</b>

Job	Job Name	Estimate	BIDS		
			(GBP-USD)	(EUR-USD)	(SGD-USD)
<b>SECTION : A DRYDOCKING &amp; WHARFAGE</b>					
A.1	Pilottage And Tugs	10,000.00	3,076.92	16,304.35	EST USED
A.2	Drydocking The Vessel	180,000.00	307,892.31	380,434.78	290,000.00
<b>A</b>	<b>DRYDOCKING &amp; WHARF</b>	<b>190,000.00</b>	<b>310,769.23</b>	<b>396,739.13</b>	<b>300,000.00</b>
<b>SECTION : B OFF HIRE CHARGES &amp; SERVICE DURING ANNUAL REFIT</b>					
B.1	Operations Room	2,000.00	6,153.85	5,434.78	6,000.00
B.2	Shore Steam Supply	15,000.00	69,230.77	27,173.91	9,500.00
B.3	Domestic Fresh Water Supply		23,384.62	4,200.00	
<b>B</b>	<b>OFF HIRE CHARGES ETC</b>	<b>17,000.00</b>	<b>98,769.24</b>	<b>32,608.69</b>	<b>20,500.00</b>
<b>SECTION : C EXTERNAL SCALING &amp; PAINTING</b>					
C.1	Underwater Area Preparation and Painting	88,000.00	138,461.54	108,695.65	68,000.00
C.2	Bottom Area Preparation and Painting	15,000.00	15,384.62	32,608.70	25,000.00
C.3	Loadlines & Draught Marks	5,000.00	21,538.46	21,739.13	9,600.00
<b>C</b>	<b>EXT. SCALING &amp; PAINT</b>	<b>88,000.00</b>	<b>181,538.46</b>	<b>163,043.48</b>	<b>102,500.00</b>

**Pre-defined reports which are error and tamper free**

## Overview

REFMAN' Cost Control module has been designed to allow technical people who are NOT accountants to quickly and easily forecast the cost of a refit or drydocking, to obtain and compare competing tenders, to monitor costs during the repair period itself and to reconcile and negotiate the final bill on completion.

In a REFMAN analysis there are no complicated 'accruals', no 'reversals' and no 'balances B/F'. Instead, REFMAN simply uses the 'best' cost information which is available at any particular time. If a job is complete, the 'actual cost' is used, if a job is in progress, the 'bid' is used, and if a job has been included as an 'extra' and the only information which is available is an estimate, then that is what will be used.

By combining these together, at all times before, during and after the repair period, the Superintendent or Port

Engineer gets the clearest possible indication of 'how much has to be saved' to meet the budget or 'how much is available to spend'.

REFMAN's Specification Generator and Cost Control modules are fully integrated so when you use REFMAN to write a specification, the framework for comparing bids, recoding & reporting costs and project planning is created and updated automatically each time jobs are added, deleted or cancelled in a specification.

REFMAN's Cost Control module avoids the need to manipulate large cumbersome spreadsheets with complex formulas and the problems which go with them.

REFMAN's Cost Control module is easy to use and takes care of all the 'accounting and reporting tasks' leaving you free to concentrate on what the numbers mean.

## REFMAN – Cost Control

Provides the Superintendent or Port Engineer with facilities for obtaining shipyard tenders electronically and for comparing prices on a job by job basis, in a mix of currencies.

It also provides facilities for recording estimates of the cost of yard work (optional) and sub-contract labour, owner's supply materials and general expense elements of the jobs which have been included in a specification.

Once a yard has been selected and the repair period is underway, REFMAN is used by the Superintendent in the yard (normally on a laptop/notebook computer) to monitor the cost of jobs which arise as 'extras' as well as the cost of variations in the scope of the originally contracted work.

Finally, when it is time to settle the shipyard's invoice, REFMAN provides facilities to record the actual cost of each job and produce reports in 'bid' currency for agreeing or negotiating the final cost.

### Features

- Complete management of costs with the ability to record estimated costs for yard & owner's items, yard bid (including contingency for exclusions) and actual yard and owners costs for each job.
- Full control over allocation of account codes to each job and the amount (or proportion) of the cost of each job to allocate against each budget.
- Automatic allocation of costs against budgets for repair, capital (investment) expenditure, insurance (casualty or damage claims) and guarantee work.
- Yard bid comparison which takes account of the cost of yard items, owners items, negotiated discounts, number of repair days and number of deviation days

Time	Yard Quote	Adjustment	Total	Actual	Keyword
Days in Drydock	25.00	0.00	25.00	0.00	(DD)
Days not in Drydock	20.00	0.00	20.00	0.00	(NDD)
Total Repair Days	45.00	0.00	45.00	0.00	(TRD)
Deviation Days		4.00			(DEV)

Support for four levels of shipyard percentage/lumpsum discounts.

- Ability to send Specifications to the shipyard and for them to submit tenders electronically so avoiding the need to enter prices manually.

- Facilities to record 'supplementary' jobs which arise after the original yard tender is accepted but before the drydocking begins

Bid Comparison Screen showing all costs for each shipyard.

- Facilities to record 'extra' jobs into any section or into a separate 'extras' section. Either way, 'extra' jobs are totalled separately from originally contracted work.

Cost of 'original' and 'extra' jobs shown in 'bid' and 'owner's' currency.

- On screen and printed reports to facilitate cost analysis including a one page Repair Status Sheet which shows a complete cost summary/forecast, with the ability to save and recall forecasts.
- Full reporting of the cost of projects, insurance/casualty and guarantee claims.
- Automatic apportioning and allocation of service costs to the cost of projects and claims.
- Full reporting of the cost of owner's supply items with facilities to record up to eight categories for each job and to report by purchase/work order numbers.
- 'Tag' codes to produce cost reports and summaries for jobs of a particular type or category.
- Pre-defined, reports which are easy to produce and free from 'spreadsheet errors' ensure that management always receives accurate information in a consistent format, regardless of which Superintendent is in charge of the docking.

System Requirements: Win10/8/7 (32 bit) with 2GB RAM or Win10/8/7 (64 bit) with 4GB RAM, Win XP/Vista with 1GB RAM and 500 MB Free Hard Disk Space.