

On-screen totalling

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

Automatic status report

REFMAN automatically generates a one page Repair Status Sheet showing a complete summary of all of the docking costs with a week by week status

Automatic yard comparison

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

SecID	Section Name	Specs	Actual Yrd	TOTAL YARD	TOTAL OWNERS	TOTAL Y-O	Repair	Capital	Insurance	Guarantee	Account Code
A	Dredging & Wharfage		133,508	133,508	133,508	120,157				13,351	DDM 236
B	Off Hire Charges & Service During Annual Refit		121,810	137,895	137,895	124,980				12,715	S. CHARGE
C	External Scaling & Painting		493,993	278,993	111,460	390,453	390,453				DDM 150
D	Structural Steelwork, Alloy & Open Deck		1,603,443	1,905,043	21,600	1,926,643	1,700,876	125,767	20,000		DDM 100
E	Main Axle & Fire Fighting Equipment		401,450	574,150	112,496	686,646	686,646				DDM 120
F	Deck Equipment & Fittings		71,073	102,073		102,073	102,073				DDM 100
G	Internal Repairs		1,787,627	2,022,627	41,408	2,064,035	1,847,763	116,272			DDM 160
H	Internal Painting										DDM 160
J	Plumbing		61,018	533,818	2,100	535,718	535,718				DDM 145
K	Tank Cleaning		316,622	424,390	7,891	432,281	432,281				DDM 170
M	Main Engine & Associated Equipment		201,667								
N	Boilers & Associated Equipment		7,900								
O	Propellers, Shafting & Underwater Gear		258,400								
P	Alternators, Generators & Associated Equipment		268,090								
Q	Ships Services		344,660								
R	Safety Equipment & Deck Machinery										

YARD: Todd Shipyard Corporation - Seattle, WA

USD ('000's)

WEEK 1	WEEK 2	WEEK 3	WEEK 4
@ 16-33	@ 14-23	@ 11-04	@ 19-45
06-APR-98	14-APR-98	21-APR-98	28-APR-98

Yard Items	Original - Bid	Original - Exclusions	Original - No bid	Original - Add/Adjust	Original - Cancelled	Original - Total
Original - Bid	284,416	284,416	284,416	284,416		284,416
Original - Exclusions						
Original - No bid	6,644,000	6,644,000	6,644,000	6,644,000		6,644,000
Original - Add/Adjust	370,896	370,896	370,896	370,896		370,896
Original - Cancelled	(245,243)	(245,243)	(245,243)	(245,243)		(245,243)
Original - Total	7,054,069	7,054,069	7,054,069	7,054,069		7,054,069
Supplementary - Bid	26,623	26,623	26,623	26,623		26,623
Supplementary - Exclusions						
Supplementary - No bid	1,454,700	1,454,700	1,454,700	1,454,700		1,454,700
Supplementary - Add/Adjust	(17,000)	(17,000)	(17,000)	(17,000)		(17,000)
Supplementary - Cancelled	(25,600)	(25,600)	(25,600)	(25,600)		(25,600)
Supplementary - Total	1,438,723	1,438,723	1,438,723	1,438,723		1,438,723
Extras	15,000	15,000	15,000	15,000		1,465,100

Palace of the Seas - 1998 DOCKING

USD ('000's)

Job	Job Name	Estimate	Add/Adjust	BIDS					
				Atlanta: M	Blohm+Voss	CAS	MAR	NWM	TR
SECTION: A DRYDOCKING & WHARFAGE									
A.1	Pilotage And Tugs	10,000		20,000	0,000	25,007	0,000	24,785	0,000
A.2	Drydocking Vessel	180,000		108,443	0,000	103,283	0,000	103,283	0,000
	Dredging & Wharf	190,000	0,000	20,000	0,000	133,530	0,000	128,068	0,000
SECTION: B OFF HIRE CHARGES & SERVICE DURING ANNUAL REFIT									
B.1	Operations Room	2,000		3,247	4,226	0,000	3,453	0,000	
B.2	Gangways	6,000		4,952	0,000	0,000	0,000		
B.3	Security Watch	22,000		19,539	0,000	18,000	0,000		
B.4	Fire Watch	[CANCELED]							
B.5	Garbage Disposal	70,000		61,688	20,123	0,000	10,000		
B.6	Domestic FAN Supply	6,000		3,600	0,000	4,309	0,000		
B.7	Fire Main Supply	2,000		2,301	0,000	1,682	0,000		
B.8	Sundry Docking Plugs	4,000		3,767	0,000	2,142	0,000		
B.9	Ship/Shore Telephone	6,000		5,201	0,000	1,409	0,000		
B.10	Shore Power Supply	70,000	22,895	90,000	28,000	0,000	25,397		
B.11	Shore Steam Supply	15,000	(5,000)	11,005	0,000	8,922	0,000		

Pre-defined reports which are error and tamper free

Overview

In the analysis and monitoring of repair costs, REFMAN has been designed to allow a non-accountant to quickly and easily forecast the cost of a refit or drydocking, to compare competing tenders and to monitor costs during the repair period itself.

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 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' or 'how much is available to spend'.

REFMAN's Specification Generator and Cost Control modules are fully integrated so that the framework for recording costs is created and updated automatically each time a job is added, deleted or cancelled from a specification.

REFMAN's Cost Control module is easy to use by Superintendents, Port Engineers and secretaries, even if they have little or no previous computer experience.

REFMAN's Cost Control module avoids the need to manipulate large and often cumbersome spreadsheets with their complex formulas.

REFMAN – Cost Control

Provides the Superintendent or Port Engineer with facilities for recording and comparing competing ship yard tenders 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 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 ship yard'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 yard & owner's costs, yard bid, yard exclusions/contingencies, additionals/adjustments and actual 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 (for new ships).
- Yard bid evaluation which takes account of the cost of yard items, negotiated discounts, number of repair days and number of deviation days.

The 'Enter Actuals' dialog box contains the following information:

- Yard:** Yare Inlet Shipbuilders Limited
- Currency:** CAD Canadian Dollars
- Exchange Rate:** 1.2379 (CAD = 1.00 USD)
- Exchange Date:** 02-05-2005 (DD-MM-YYYY)
- Comments:** FCA=Allow for Fuel 6 days * 70 t.p.d. * USD 250 p.t.
- Time & Adjustments:**

	Yard Quote	Adjustment	Total	
Days in Drydock:	0.00	0.00	0.00	(DDD)
Days not in Drydock:	0.00	0.00	0.00	(DND)
Total Repair Days:	0.00	0.00	0.00	(TRD)
Deviation Days:			0.00	(DEV)
Fixed Cost Adjustment:			105,000	
- Discounts:**

Title	%	Lump Sum
Agreed %:	0.00	0.000
Agreed Lump Sum:	0.00	0.000
Volume:	0.00	0.000
Early Payment:	0.00	0.000

Support for four levels of discount on yard items (percentage or lump sum).

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

The 'Specifications, Cost Control & Time' screen displays a comprehensive cost breakdown for a shipyard job. The table includes columns for Job ID, Section Name, Specifications, Sections, Jobs, and Pricing/Reports. It lists various repair items such as 'Ship Particulars', 'Temporary Wiring and use of Portable L...', 'Dry Docking & Vibration', 'Off New Charges & Service During Aft...', 'External Grating & Painting', 'Structural Steelwork, Alloy & Open Deck', 'Tank Cleaning', 'Deck Equipment & Fittings', 'Internal Repairs', 'Internal Painting', 'Main Engine & Associated Equipment', 'Boilers & Associated Equipment', 'Propellers, Shafting & Underwater Gear', 'Helmsteads, Generators & Associated Equipment', and 'Diesel Services'. The table also shows 'Gross Total Yard' and 'Total Owners Costs'.

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.

The 'Specifications, Cost Control & Time' screen displays a comprehensive cost breakdown for a shipyard job. The table includes columns for Job No., Job Name, Specifications, Sections, Jobs, and Pricing/Reports. It lists various repair items such as 'Funnel Deck Vibration Port & Star', 'Observation Deck Steelwork (Port)', 'Aircraft P&S Companionways TL', 'Solar Dome Mounting Repairs', 'Deck Panels between Fr 115 & 12', 'Revised repairs specified', 'Monkey Island Deck to Repair', 'Hull Repair', 'No. 2 Fan Room Steel Repairs', 'Fan Room #2 Stbd Doublers', 'No. 3 Fan Room Steel Repairs', 'Glass Screen Renewal/Repairs', 'Glass removal cancelled/renewal', 'Lifeboat Control Gantries to Renew', 'Access to boats 3 & 4 improvement', 'Lifeboat Control Gantries - Above H', 'Bready Station Redundant Door to F', 'Forepeak Plating Repairs', 'Hull/Tank Top to Repair', 'Hull/Tank Repair', 'Cow Cabin D' Deck - Deck to Re', and 'Hull and Frames to Check "C" D'. The table also shows 'Gross Total Yard' and 'Total Owners Costs'.

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 and 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 which are error and tamper free ensures that management always receives accurate information, and in a consistent format, regardless of which Superintendent is in charge of the docking.

System Requirements: Win XP with 1GB RAM, Vista or Win7 (32 bit) with 2GB RAM or Win7 (64 bit) with 4GB RAM, 1 GB Free Hard Disk Space and a printer.