

NAVA™ Cost Manager is an integrated webbased solution that consolidates costs (committed, non-committed and actuals) and compares them against budgets, calculating the variances and enable trending and forecasting.

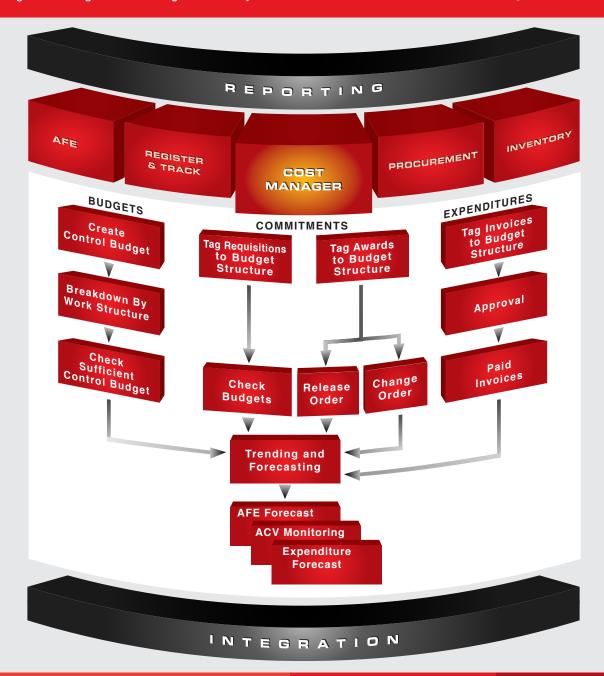
Budget structures can be defined for direct and indirect cost for field operations, regional offices and corporate headquarters. Multi-level budget structures enable tracking and monitoring of costs by activities (G&G, Exploration Drilling, Development, Facilities Project, Production and Operation), AFEs, Cost Centers and Budget Year.

Budget checking can be configured for any event

based on budget structures up-to detail budget lines, helping the company with cost control.

Large scale projects may be executed over a long period of time, therefore require detailed planning and may have many amendments and variations during their life. Changes in purchase orders and contracts are recorded against budget structures and added to the total project cost. Unspent funds can be trended or forecasted which provide control of potential cost overruns.

NAVA™ Cost Manager provides the ability to budget and trend costs before they are committed offering lead time to forecast what is coming.



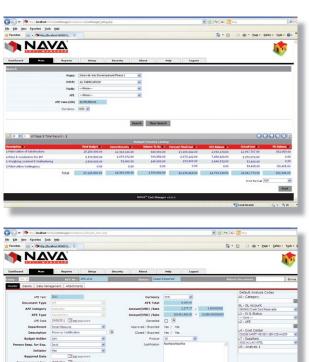


KEY FEATURES

CAPITAL BUDGETS

Approved capital project budgets can be monitored by activities (G&G, Exploration Drilling, Development, Facilities Project, Production and Operation), AFEs, Cost Centers and Budget Year with the ability to summarise costs to the total project.

Control budgets can be created for the first level of budgeting before being broken down to the detail level. Control budget checks ensure that the detail budget lines do not exceed the control amount. AFE values are checked against budget values for efficient cost management.



COSTS

Non-committed costs (requisitions and tenders) and committed costs (purchase / service orders and contracts) are recorded according to the budget structures and used for forecasting.

Budget checking ensures that the costs are monitored and do not exceed budget amount.

				ent Report ISD)				2	V12/2011 12:27:31	
Period Between: 01/01/2001 - 31/12/2	1001									
			Commitme	nt (USD)		Inv	pices Processed fo	or Approval (UI	0)	
AFE TIDE	Approved AFE	Previous Week	01/01	This Period /2001 - 31/12/2	1001	Previous Week	This Period 01/01/2001 - 31/12/2001			
	~~	Cumm.	This Period	Cumm.	Cumm. / AFE %	Cumm.	This Period	Oumm.	Cumm. / AFE	
23302 FP9O	27,170,000	0	0	0	0	0	0		0	
13303 Post Drill Assesment	370,000	190,369	0	190,399	11	13,987	0	13,987	11	
13302 Reservoir Simulation & Well Testing Engineer	333,300	307,233	0	307,233	91	283,902	0	283,902	82	
13310 Engineering Studies	223,330	323,331	0	323,331	81	300,311	0	300,311	70	
13311 Oil Engineering Studies	223,330	332,208	103	332,312	81	311,223	0	311,223	72	
13312 Pipelines for Gas Project	291,233	122,619	0	122,819	103	339,121	0	339,121	71	
13313 Feasibility Study	212,210	281,312	20,208	101,730	110	302,132	3,333	307,127	38	
13312 Feasibility Study	297,023	273,819	182	272,001	91	308,202	0	308,202	32	
13311 Feasibility Study	228,800	213,701	2,190	218,291	93	298,320	2,190	303,230	38	
13313 Optimization	387,090	221,063	0	221,083	83	179,037	0	179,037	23	
13320 Mooring Winches	333,300	311,012	0	311,012	98	389,931	0	389,931	19	
13322 Reserves Certification	127,731	117,227		117,227	92	117,227	0	117,227	92	
13323 Reserves Certification	23,330	30,982	0	30,982	91	30,982	0	30,982	91	
3321 Geotechnical Geophysical	830,133	818,230	0	818,230	99	383,728	0	383,728	83	

Changes in amount and analysis codes for purchase / service orders and contracts are automatically reflected in the total project cost and can be tracked to the applicable purchase / service order or contract and budget structure. Unspent funds can be trended (with explanations) for each contract or purchase / service order with resulting adjustments to the total project cost.

Invoices and credit notes can be tracked to the applicable purchase / service order or contract and budget structure. Actual costs can be recorded based on project milestones or payment schedules. Variances are generated and used in forecasting.

				Invoice By PO Listing						
F12/2011 14:48:	2			(USD)						
							Project	45	: 123	VFE Royd, Date Rai
	G	F							8	
PO Balano Available (USD) (B-G	Total Expenditure (USD) (Total F)	Inv Value (USD)	Inv Value (RM)	Inv Description	Invoice No	AFE Code	Requested By	PO Description	PO Value (USD)	PO No
101,525.5		1,028,344.50	3,492,391.30	Wermus - Provision for supplying of export, Import and submarine hose strings -65%	002483	23332	Eva Chew	Werman-Provision for supplying of export, import and submarine hose strings	1,210,120.00	38240.
121,012.00		30,508.50	205,228.90	Werman-Provision for supplying of export, import and submarine hose strings -ons	002482A	23332				
0.00		121,012.00	411,452.80	Wirmar-Provision for supplying of export, import and submarine hose strings -10%	2482	23332				
0.0	1,210,120.00	1,210,120.00	4,114,528.00							
0.00		23,000.00	28,200.00	Wermax-Prov for supplying of two(2) edits joints of 6" x 36" Seaflex 3000F mainline toating hose	002488	23332	WP SPS	Werman-Prov for supplying of has(2) extra joints of 6" x 35" Seaflex 3020F mainline feating frese	23,000.00	36360
0.0	23,000.00	23,000.00	20,200.00							
0.0		28,329.24	20,401.00	Handal-Provitor supplying or to Males trisaled langth single leg marine mooring Hassiers and spare marker lace on flestile pocket type float for FSO at Kidurong Marine Terminal	3001213085	23332	WPSPS	Handal-Prov for supplying of 50 Mebe threshed length single leg-marker mooting Fasseers and spare martow lace-on flestole pocked type fout for FSO at lidburing Marine Terminal	20,329.24	3904
0.00	28,329.26	28,329.24	93,491.00							

Other direct costs such as staff costs, insurance, administrative expenses and inter-company charges that are incurred by the project can be added to the total project cost facilitating forecasts.



Indirect costs such as management, rent, utilities, insurance and administrative expenses not directly incurred by the project or not 100% chargeable to the project including inter-company charges and allocated costs can be included in the project cost estimate.

TRACKING & REPORTING

Expenditure Forecast report provides monthly cost estimates and total project cost to completion allowing analysis by budget structures and avoid potential cost overruns.

AFE Forecast report showing AFEs balance and budgets balance enables cost monitoring for efficient project management.

			Expenditure Forecast Report For Year 2009 (USD) 95100011												12001118081		
VIDS UP/EL 4	UNG LEVEL S	Wes beschirmon	2000 Lee Stinute	Jan-2001 Leef C 1	Peti-2001 and Entirepti	Nav-2008 Leet Extreme	Apr-2001 Last Estimate	May 2001 Leaf Estimate	Jun-2001 Lear Estimate	Jul-2001 aur Entiren	Aug.2001 and Estimate	Sep-2001 Last Estimate	Oct-2001 Lest Estimate	Nov-2001 Lest Estimate	Dec-2001 Les Estimate	2001 Les Drivute	Prigno Total
DE WOPLAN	LWSTein									1107507					1000		
	EK 01-05	CLAM-consist outing 27 RM only	45840		-		4,000.60					-	-			4200.00	468153
	85.03-00	CELPHON	212204.00												- 7		212,276.2
	EK 01-07	CD 30" MOR well read forge	23.675.61						5,455.54							5,404.84	28.165.1
	BIL 05-39	GIST SO tent	193 106 60	- 0		1	12			1							193,105.5
	EE 01-10+	CB SC* RODE wine fange	9,007.66						1381.77							8.261.77	11,000.0
	BE 0142	C7. Ones	1,691,66														1,600.0
E. WOP! A	LNG Te-h S	JATOTEL	516.204.76	-	-	-	4,000.00		2,760.31	-			-			11,796.20	\$47,000.0
IS PER M	9409EA	PROACH															
	DL 91-10	Shore Approach - Transport & Installation	1,561,001,88	7.0		179,500.40	294,947.03			-	1297,80279		-			296.65.23	4,540,004,0
IL PORTEN	94300 A	PROACH SURFOTAL	156100186	-		179.500.40	394.007.03	-	-	-	139 80 %	-	-		-	2940.6% 23	4543 (04.6
CS. Ostařed	faning																
- Commen	C1.21/00	Deal Delies	2650 10	24.760.10	1947276	19.671.91	5017		19431.91	16.917.60		_				110,000,00	868.48T.2
	01.01/0	Proper Marris Services	128 301 42	12,045.24	14,610,00	22.105.00	7,200.05	10.775.44	2492.54	600.84	1 :	173.174.00	995.24	1	1 1	273.821.66	316.601.6
4 Pathled	Cesson 6.00		654 SALES	NAM P	4000	41160	96.666.15	10770.44	1754.14	18 650 41	-	75.55	96.74	-	-	307.434.63	1343503
C2. Pipeline				10.00.0		-											
LZ P PROCE	CE 91-20	Concern Couling SP CO Page - Million	7.0400PM 10	-	8.700 es					_	10100		4004.02	12:01/9	16.792.26	45,040,00	7,041716.2
	GE 27-00	50 Dend + 10 day	2400.00	ं	870040				7118.64	3.006.67			400.52	0.00.9	10,762,25	10.791.52	13.191.5
	CE 35/00		471.776.46				00004	- 6	400840	0,004.40	10004		83477	1004	NUMBER	115791.02	5M6623
	GL 21-18	Anti-commiss mating IF FRE only Concern County SF CO Page - Morror	000401.47		01470.04		m5584		200042	12	1000		504.12	130140	140.54	105,172,17	794,800.2
	CI. 25-22	60 Back / Tillian	13.724.46			1	100		15.60	15.60				2		30.00	13790.4
	CL 8143	50844 - 1134q	10,758.48	1			ं		15.60	932979						9,325.79	19,751.0
	GL 19-10	State Say	21.194.72	100	0.0		- 6			1,141/1	1 1					6.66.76	21,1917
	G 11-0	SD Bend v Kill dag	70.000.00	- 0	1 8	120	100		16.440.42	14 000 11			0.0	(3)	1 2	3324174	110,0563
	05.0147	Convert Custon 20' CO Plan 178mm	70,000 ST	1	-				15,440.43	14,808.31	Man		1401.30	4.004.00	6279.10	15,041,11	\$16,006.0
	Costing \$1.0		498794.00 6/92794.40		104 (70.4)	-	65774		NO 174.81	77 417 No.	12 140.00		A 17///A	30,500 H	96.674.74 76.674.74	16.00.11	200500
			9597.79E-40	-	564,75641	-	805/304	-	80,774,81	27.817.30	0.9608	_	£100.04	20.503.11	38.801.04	36.35	A MARKETS
CS. Pipeline	PSC Materia									_	_		_	_			
	CE 23-10	Lreppe	HOTTONIA				-			-						190,770.40	14,792,962.0
	GE 39-00	24" 0004 well much flamps	10,002.34				- 10		10,704-00	- 0.0				2.5		12,756.00	60,040.3
	CS 33-40	34" 6504 suitei neck flange	194171.0	1.0					31,542,78	1.5						15,542.78	147,715.0
	CIL 35-60	34' 000# strict flange	12,912,61	2.4	-	-	1.0		6,224.29							8,224.23	45,161.1

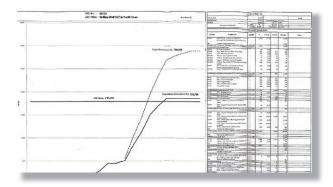
		Le	recast Report vel 5 - PO (USC)					16122811 16274
ment ed City 7 year	Adduty : APE Type : Petronas Class : Cost Code :		Open Blocket APE	Produ Lateet		PO No. : - DR No. : - Creation Date : ORIGN ON	01-21.1 20101	
surption	PRIPO Ref	AFE (Budget)	PRIPO Value	Balance To Go	Forecast Final Cost	AFE Balance	Aduai Cost	PO / Budget Batance
oject ; Dolphine Development Phase 2		(A)	(8)	(0+0-8)	0	(E4A4)	(F)	(0-8-F)
FE: \$2345 Dolling Well XYZ in South Sea								
ACTIVITY : ALCOHOLOGICAL DE SIGN								
Cost Code: A1.81-53 1-Detailed Braign								
								0
Cesign Initial States		104.000		0	0	104.000		0
		52,000			0	62,000		
Initial Budget		104.000				104.000		0
Initial Budget Cost Code (A1, 01-13 1 Certaind Design Budget (A)		104.000 360.000				104,000 240,000		0
CONT CODE AC. 41-13 1 Consists Design Except (A)		200,000				Meson		-
Cost Code: A1, 61-30 3-Package Engineering								
Initial Butter		15,600				16,600		
Initial Bullet		10.400				10,400		0
total factors		15.600				15,600		0
Factore Engineering								0
Cost Code A1, 01-30 3-Package Engineering Budget (A.)		41.600		0	0	41,600	0	0
Cost Code : A1. 01-40 4-Fabrication Support								
Patriciation Support				0	0	0		0
Initial Budget		7,000		0	0	7,000		0
Intial Budget		7.800	0	0	0	7,800	0	0
Initial Budget		7.800				7,800		0
Cost Code: A1. 01-40 &Fabrication Support Budget (&)		23,430			0	23,400		
Cost Code: At. St. 52 S-Offshore Support								
Initial Bulget GO/Ax		7.600				7.600		. 0
India Bushel GO-PA		7.000				7.600		0
IMM Burget GC/PA		7.600				7.600		0
Offshow Support								0
Cost Code : A1. 01 63 5 Offshore Support Budget (A.)		23,430	- 6	ő	0	23,400	- 0	
Cost Code: A1.01.62 S.As.Dulbs								
de Date								
AP COURS				0				

Cash Forecast report and Payment Schedule listing the cost payment schedules offer a better view for cash forecasting.

AFE			Cash Forecast Cost Estimate (in USD) 15/02/01/15/1/28										
AFE	To be paid in the following months :												
	Description	Jan 2001	146-2991	\$65 2001	Apr.2001								
	- Etogen: Meals & Bunk for AHTS "MV Etogen Altamis"	0	4,975	0	0								
	Etogen-daily charter for MY Etogen Altumis in Nov	0	0	35,280	0								
	Inolico: Daily charter rate for 1 - 30 Sept	0	0	0	0								
	Inolico: Daily charter rate for 1 - 31 Oct	108,901	0	.0	0								
	Inolico: Daily charter rate for 1 - 30 Nov.	0	254,100	0	0								
	Carimin-BJ Srv charges on personnel 8 equipment and mob costs on harmer pkg Sec	322,251	0	0	0								
	Efogen: Darity Charter hire for AHTS "MV Efogen Altamis" for the month of 1-31 Oct.	364,560	0	0	0								
	Efogen: Meal & Bunk for AHTS "MV Efogen Altamis" for the month of 1.31 Cet	20,200	0	0	0								
1	Efogen: Meals & Bunk for AHTS "MV Efogen Altamis" for 1-2 Nov	0	4,975	0	0								
	Efogen-daily charter for MV Efogen Altonis in Nov	0	0	35,280	0								
	Inolico: Daily charter rate for 1 - 30 Sept	0	0	0	0								
- 2	Inolico: Daily charter rate for 1 - 31 Oct.	108,901	0	0	0								
- 5	Inolico: Daily charter rate for 1 - 30 Nov	0	254,100	0	0								
	Carimin-BJ Srv charges on personnel & equipment and mob costs on harrmer pkg Sep	322,251	0	0	0								
	Efogen: Darily Charter hire for AHTS "MV Efogen Alternis" for the month of 1-31 Oct	364,660	0	0	0								
	Etopen: Meal & Bunk for AHTS "MV Etopen Altomis" for the month of 1-31 Oct	20,200	0	0	0								

Standard reporting includes graphical reports such as AFE and ACV Expenditure Curve by project and activity.

AFE and ACV Expenditure Curve listing project manager, owner, sponsor, procurement analyst, contract engineer, package engineer and utilisation enables tracking and monitoring of cost performance by the relevant authorities.



Variance reporting provides the differences between planned and forecast costs at the account codes, activities, AFEs, cost centers and budget year.

All cost and revenue budgets and performance management data can be consolidated for each operating unit to successive subsidiary business units and to headquarters.



NAVA[™] SUITE

Nava™ Suite provides a comprehensive range of modules that meet the business process and management needs of your company.

- NAVA™ AFE (Authorisation For Expenditure)
- NAVA™ Register & Track
- NAVA™ Cost Manager
- NAVA™ Procurement
- NAVA™ Inventory

NAVA[™] was created with both simplicity and usability in mind. Its success is proven with implementation that required minimum training for end users and system administrators.

Reporting combines information from Infor™ FMS SunSystems and NAVA™, producing consolidated and comprehensive reporting. Multi-currency reporting with transaction, local and base currency cater for companies with world-wide operations.

Seamless integration with Infor™ FMS SunSystems ensures that account codes, analysis codes and business rules are instantly available in NAVA™.

Transactions entered in NAVA™ can be directly uploaded into Infor™ FMS SunSystems without the need of building time consuming and costly interfaces.

APPLICATION FEATURES

- · The application is web-based, capable of supporting multiple locations world-wide in real time.
- Comprehensive built-in security supports creation and management of role-based user groups for every key function within the application.
- The application can be fully configured and easily re-configured by system administrators as the business changes and develops.
- NAVATerm[™] allows the company to use their own terminology to describe key data elements for ease of use and reference.
- Ready-built standard reports ensure rapid implementation and customised reports allow for enhanced reporting. All reports can be exported into various formats e.g. Microsoft[®] Excel, Microsoft[®] Word or PDF.
- Scanned documents can be attached during data entry and form part of the company's document management and control procedures. This includes technical drawings, contracts, purchase orders, invoices, general correspondences and emails.
- Emails alert decision-makers on important milestones i.e. budgetary constraints and status of events in the workflow. Hyperlink provided in the emails brings user directly to the relevant event for further processing.
- A Workflow Dashboard is available and tailored based on the role of the user, providing an overview of events that required processing.
- Application development employs commonly used Microsoft technology running on SQL Server database.



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