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**Overview**

# **JobPROMS**

**By Kildrummy**

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# Chapter 1 - System Overview

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## 1.1 System Scope

JobPROMS, from Kildrummy, ensures that you're always in control.

If you are chasing, you're not in control. Because when something takes on a life of its own, it can quickly gain momentum until it's beyond reach. JobPROMS, from Kildrummy, puts you in charge of your project cash flow, so that you do all you running ahead of the game.

Kildrummy's desktop cost management system lies at the heart of the project and business operations of many of the world's most successful companies. Designed and developed by project engineers, JobPROMS provides budget, forecast, commitment and expenditure control for projects of any scale in any sector. Continuously monitoring project costs, highlighting any deviation from budget, JobPROMS helps you make informed decisions and predictions of project cost performance. JobPROMS complements your accounting system and encourages a consistent approach to cost management throughout your organisation. Whether you're working on one project or many, JobPROMS brings the control and reporting straight to your desktop. Flexible project structures and user-defined reporting help you to change as the demands of the job change. JobPROMS the international benchmark for cost management systems.

Designed originally for the energy industry, JobPROMS, brings project cost control to multinational corporations and small enterprises alike, in sectors as diverse as aerospace, construction, defence, engineering, nuclear, oil & gas, pharmaceuticals and utilities. It plays a crucial role in day-to-day project management, tenaciously pursuing commitment and expenditure that might be running away with the budget.

JobPROMS empowers you. Its familiar Windows format and its flexible project and reporting structures gets you operational quickly and easily. On screen analysis through all levels of the project puts you in control from day one, eliminating the need to play catch-up with fleeing budgets. You can examine, predict and manage trends and variances and overruns from a single source. You are free to focus on the big picture, secure in the knowledge that the detail is under tight control. You are free to manage.

## 1.2 Key Benefits

- JobPROMS is an off the shelf solution that provides a standard and consolidated approach to cost control for the organisation.
- JobPROMS is a quality product. Simple to set up and easy to use, JobPROMS enables the cost engineer to control the project from day one.
- Ability to structure project data to give effective control and rapidly create your own reports using the report generator. Set up track and report project costs at ANY level of detail.
- Training Costs fall dramatically. Users familiar with other Windows applications will quickly take to JobPROMS; professional training course and consultancy available to fast track successful implementation.
- The program is simple to use. JobPROMS leaves the cost engineer free to focus on the big picture, to analyse trends or chase “trouble” down to its source.

The screenshot shows the JobPROMS - [Projects List] window. The menu bar includes File, Setups, Input, Reports, Timesheets, Import/Export, Maintenance, and Help. The toolbar contains various icons for file operations and data management. The main area displays a table titled 'Projects' with the following columns: Project Code, Project Name, Approval Ref, Currency of Control, Appro ved?, Project Manager, Lead Cost Engineer, Client, and Locked?. The table contains two rows of data:

Project Code	Project Name	Approval Ref	Currency of Control	Appro ved?	Project Manager	Lead Cost Engineer	Client	Locked?
005/KTL-01	Provision of Software & Development to ZNC Inc.	SNS	£	<input type="checkbox"/>	DJCR	SNS	BCL	<input type="checkbox"/>
BOTSWANA	Selebi-Pikwe Copper Mine	BCL/01	£	<input type="checkbox"/>	DJCR	RD8	BCL	<input type="checkbox"/>

## 1.3 System Philosophy

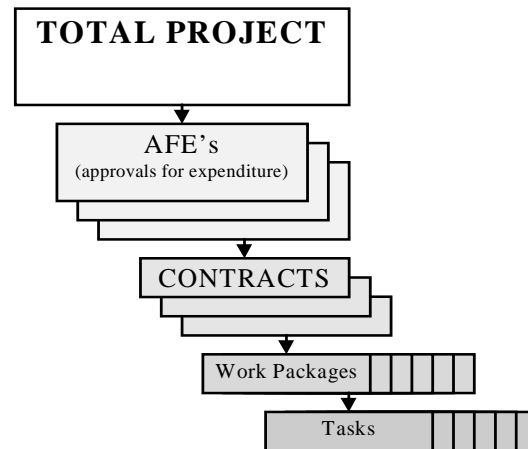
The JobPROMS system has been developed to meet simple design criteria:

- *Flexible*: single and multi-project operation and associated WBS / reporting structures, simple or detailed breakdown of costs.
- *Simple to use*: ease and confidence of operating in Windows, integrates well with MS Office suite of applications.
- *Fits the scale of your problem*: implement to suit your organisation. Central network copy can be linked to remote project sites. Can interface with other corporate / project systems.
- *Low Cost*: standard hardware, up and running in hours, low support and maintenance costs through the lifetime of your project.

## 1.4 Features

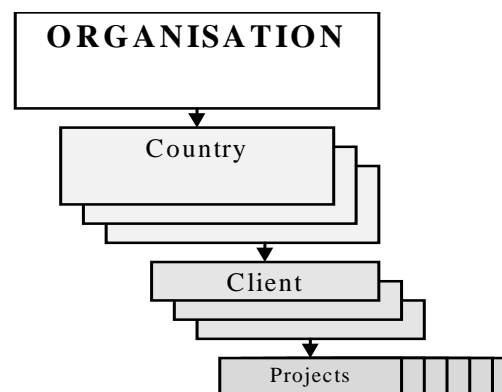
JobPROMS incorporates the following:

### *Control by Work Breakdown Structure*



You can define virtually any type of Work Breakdown Structure (WBS) for your project. Different structures may be designed to meet varied reporting requirements: Responsibility, Asset, Alliance, Phase, Code of Accounts etc. Structures may then be employed for reporting multi-job or multi-project scenarios by pre-defined category, work area, location, client or whatever meets your needs.

### *Control by Multi-Project Structure*



### 1.4.1 Reporting

JobPROMS has powerful tabular and graphical reporting:

- summary cost statements at any level of your reporting structures (WBS/OBS/CBS etc.)
- detailed interrogation of commitment, expenditure, change control and resource utilisation
- on-screen drill-down interrogation through all levels of your structures
- ability to tailor standard reports and to create your own reusable report templates
- Ad hoc reports / queries designed in MS Access can be added to the JobPROMS reports menu
- Batch Reporting facility allows month end reports to be grouped and run as a single action

### 1.4.2 Budget, Commitment, Expenditure, Invoice, Forecast and Variance Costs

JobPROMS monitors all the important types of costs involved in project control. You can break down project and job estimates into as much or as little detail as actually required for effective control. If required, JobPROMS has the ability to sub-divide work packs into standard cost code of account conventions. The system includes separate registers to record and allocate commitments, invoices, expenses, time and accruals as well as change control modules for tracking changes in scope, budget transfers and trends.

History of Budget and Forecast movements can be compared on reports using user defined report functions. Actuals can be calculated for report cut-offs and selected periods.

### 1.4.3 Cash Flows and Cost Trending

JobPROMS can define all cost types against a time window to generate cash flow reports for budget, committed, forecast and invoiced costs.

**Cost Items List - Dates**

Project:	PUMPSTN1	Pumping Station No 1 - Design and Construct
CoC:	£	Pounds Sterling
WorkPack:	201	Design - Infrastructure

Full Cost Code	Cost Item Code	Cost Item Name	Use Manual Phasing?	BUDGET			FORECAST		
				Start Date	End Date	Profile	Start Date	End Date	Profile
01-01-000	001	Design management	<input checked="" type="checkbox"/>	12/08/1996	04/10/1996	LINEAR	12/08/1996	04/10/1996	LINEAR
01-02-000	002	Infrastructure design	<input type="checkbox"/>	12/08/1996	04/10/1996	BACK BELL FRONT	Back Loaded Bell-Shaped Front Loaded		AR
09-00-000	002	Design & Build (Summary)	<input type="checkbox"/>	12/08/1996	04/10/1996	HIGH LINEAR LOW TRIANGUL	High Front End Linear Low Front End Triangular		AR

Record: 1 of 3

### 1.4.4 Time Sheeting

JobPROMS provides a time recording facility capable of handling hundreds of staff, time writing against hundreds of projects.

### 1.4.5 Interfaces

JobPROMS User Module may be linked to external corporate systems and to other project systems both to import and export project data.

### 1.4.6 Multi-Currency

JobPROMS incorporates multi-currency features to enable projects to be controlled and reported in different currencies. This includes tracking orders and expenditures in currencies other than the project currency with variable exchange rates.

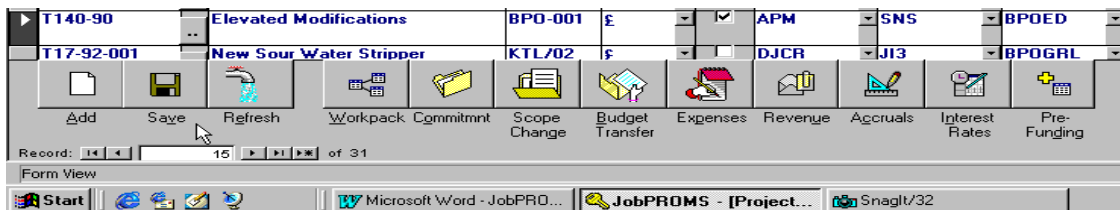
### 1.4.7 JobPROMS Professional Training Course

Our aim is to see your investment in software and people delivering business benefits in the shortest possible time. Together we offer focused training to enable you to get JobPROMS working sooner and performing better to control your project costs.

## 1.5 Client Applications

JobPROMS and its derivatives have been installed both stand-alone and networked. They are proven with a large number of clients world-wide each with a varied application for the software. KTL's clients for our cost management software include the following:

AIOC  
Al Hamed  
Alstec  
AMEC  
BNFL  
BP  
Britannia Zinc  
Cadcentre  
ChevronTexaco  
Enterprise Oil  
Expo 2000  
Fluor Daniel  
Halliburton  
Intergraph  
Karachaganak Integrated Options  
LASMO  
Lindsey Oil Refinery Ltd  
Malaysia Shipyard & Engineering  
OMV  
Petrolera Ameriven  
Phillips Petroleum  
Techint International  
TotalFinaElf  
Union Switch & Signal  
Wincanton Logistics Ltd  
Woodside Offshore Petroleum  
Yokogawa



To discuss a particular project or arrange a demonstration of JobPROMS contact your nearest Kildrummy office:

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# Chapter 2 - Operating JobPROMS

## 2.1 Typical Data Entry Screen (Projects List)

- Data Entry on multi-record lists or single record forms.

Project Code	Project Name	Approval Ref	Currency of Control	Appro ved?	Project Manager	Lead Cost Engineer	Client
005731E01	Provision of Software & Development to ZNC Inc.	SNS	£		DJCR	SNS	BCL
T032	New Sour Water Stripper - Timesheet Import		£		ID	J13	BPX
ACCTEST	Relocation of Project Offices Accounts Import Test		£		APM	JH22	BCL
BOTSWANA	Selebi-Pikwe Copper Mine	BCL/01	£		DJCR	JH22	BCL
PUMPSTN1	Pumping Station No 1 - Design and Construct	K-514	£		APM	J13	BGAS
PUMPSTN2	Pumping Station No 2 - Design and Construct	K-514	£		TJBE1	SNS	BGAS
PUMPSTN3	Pumping Station No 3 - Design and Construct	K-514	£		KB	JH22	BGAS
PUMPSTN4	Pumping Station No 4 - Design and Construct	K-514	£		DJCR	JH22	BGAS
QXMAINT12	Maintain Pumping Stations 1 & 2	K-519	£	<input checked="" type="checkbox"/>	ID	SNS	BGAS
QXMAINT34	Maintain Pumping Stations 3 & 4	K-519	£	<input checked="" type="checkbox"/>	TJBE1	SNS	BGAS
RCKCO-CE	Morocco-Iberian Gas Pipeline		£		DJCR	JH22	BPX
T037-88	VDU2 - Wax Run Down Coolers Replac	BPO-002	£	<input checked="" type="checkbox"/>	KB	JH22	BPC
T053-92	Monmouth Fired Heaters	BPO-001	£		ID	SNS	BPX
T14.1083	TEST RUN	YES	£	<input checked="" type="checkbox"/>	APM	JH22	DU
T140-90	Elevated Modifications	BPO-001	£	<input checked="" type="checkbox"/>	APM	SNS	BPOED
T17-92-001	New Sour Water Stripper	KTL/02	£		DJCR	J13	BPOGRL

- Standard Microsoft Access Tool Bar for setting adhoc filters, sorts, reports, printer set-up etc.

- Projects may be structured to suit control needs: As much or as little detail as required.

- From Projects List you may define Work Packs, Cost Codes, Requisitions, Commitments, Supplier Invoices, Expenses, Scope Changes and Variations.

- Picture buttons control data entry and access to different levels of the Work Breakdown Structure (WBS).

## 2.2 Inputs: Budget/Forecast, Commitments, Scope Changes

**Cost Items List - Budgets & Forecasts**

Project: PUMPSTN1 Pumping Station No 1 - Design and Construct  
 CoC: £ Pounds Sterling  
 WorkPack: 201 Design - Infrastructure

		COSTS						MAN HOURS		
Full Cost Code	Cost Item Code	Cost Item Name	Original Estimate	Control Budget	Forecast At Complete	Baseline Sell Price	Trended forecast at complete	Original Estimate	Control Budget	Forecast At Complete
01-01-000	001	Design management	4,000	4,000	4,000	5,000	13,000	100	100	100
01-02-000	002	Infrastructure design	20,000	20,000	20,000	25,000	27,000	540	540	540
09-00-000	002	Design & Build (Summary)	9,000	9,000	9,000	0	9,000	172	172	172

\* Full Cost Code Name      Name      Name

09-00-000	Design Contractors	Design & Build	Design & Build (Summary)
12-00-000	Mechanical	Mechanical Installation Summary	Mechanical Installation (Summary)
12-11-000	Mechanical	Columns	Columns
12-12-000	Mechanical	Heat Exchangers	Heat Exchangers
12-12-017	Mechanical	Heat Exchangers	Reboiler
12-12-018	Mechanical		
12-12-019	Mechanical		

---

**Commitments**

Project: ACCTEST Relocation of Project Offices  
 CoC: £ Pounds Sterling  
 ComC: \$US US Dollars

		Value									
Commitment Doc Num	Doc Type	Doc Revis	Description	Input Date	Doc Date	Supplier	Original Commit	Amend Commit	Overall Commit	Expenditure	
PO-691	PO	000	Design Sub-Contract	12/07/98	09/07/98	SDDEED	25,000	0	0	0	
PO-696	CT	000	Clearance	12/07/98	09/07/98	OHM	12,000	0	12,000	4,501	
PO-708	PO	01	Site Preparation	06/07/98	02/07/98	ACB	12,886	0	12,886	0	
PO-712	SR	01	Transfer Equip	06/07/98	02/07/98	ACB			0	0	
*		000	Site Preparation	31/03/99	31/03/99	CEMENT DHS FP			0	0	

Buttons: Close, Add, Save, Refresh, Allocations, Unconfirm, Amendments, Supp Invoices, Link Object

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Project: PUMPSTN1 Pumping Station No 1 - Design and Construct  
 CoC: £ Pounds Sterling

Scope Change Ref Num	Reference	Description	Comment	Change Date	Authorised By	Total Cost Change	Total Sales Change	Total Man Hours Change	PHASE	Conf	
									App rovd	Pend	Trend
1		Increased pumping capacity	Provide larger pumpsets VQ 001	01/09/1996	Ivor Driver	50,000	52,000	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		further capacity		22/10/1997	SNS	10,000	0	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Sc-003	Additional Design Work	Phase Two review	23/03/1999	SNS	15,000	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## 2.3 Create your own Reports

- You may create any number of standard and ad hoc **templates to suit** your (or your client's) reporting requirements.

- Change the default column header information to suit project / client terminology

### Report Columns - User Defined Functions

Build Function: C11

Code	Name	Formula	Comments	M	H	%
F00	Change in Forecast since Last Month	[ColC16] - [ColH1]	Current forecast minus previous months forecast (Stored in History Column H1)	<input type="checkbox"/>	<input type="checkbox"/>	
F01	Current Approved Budget	[ColC12] + [ColSCA] + [ColIVA]	Control Budget + Approved Scope Changes + Approved Budget Transfers	<input type="checkbox"/>	<input type="checkbox"/>	
F02	Commit to Date	[ColC01] + [ColEXP] + [ColMHC]	Commitment + Expenses + Manday Costs	<input type="checkbox"/>	<input type="checkbox"/>	
F03	Approved Expend	[ColMHC] + [ColEXP] + [ColSIN]	Manday Costs + Expenses + Approved Invoices	<input type="checkbox"/>	<input type="checkbox"/>	
F04	Total Expended	[ColSINP] + [ColSIN] + [ColEXP] + [ColMHC] + [ColVALAC]	Expenses + Approved Invoices + Pending Invoices + Manday Costs + Accruals	<input type="checkbox"/>	<input type="checkbox"/>	
F05	Estimate to Complete	[ColC16] - ([ColEXP] + [ColMHC] + [ColSIN] + [ColSINP])	Estimated Forecast at Completion - Expenditure	<input type="checkbox"/>	<input type="checkbox"/>	

Template 'Project Cost Budget Summary'

**Kildrummy Technologies Limited**

Project Cost Report

	Control Budget	Scope Changes Approved	Current Approved Budget	Commit to Date	Total Expended	Estimate to Complete	AFC	Variance (+/-)

**Template Palette**

Template Element: Col2

Data Source:

- SCA Scope Changes Approv
- SCA Scope Changes Appr
- SCT Trend Scope Change
- SCU Scope Changes Penc
- SIN Supplier Invoices App
- SINP Supplier Invoices Pen
- SSA Sell Scope Change At
- SSU Sell Scope Change Pi
- SX7 Special

Bold    Size: 8  
 Italic    Align: Right  
 Underline    Colour: ...  
 Width (Inches): 0.811

Apply    Reset    <    >

- Templates you create here can be used in the reporting module and applied at any level of detail for the structures created for your project or projects.
- Use **Copy Template** feature to create additional reports based on the original.

- Choose any report field, including user definable **functions, period** and **history**, and allocate it to a column position on your report template.

## 2.4 Structure Design

- You may create any number of structures to control / report your project or projects to suit your own (or your client's)

Project Code	Project Name	Num of Levels	Level 2 Description	Level 3 Description	Level 4 Description	Level 5 Description	Level 6 Description
B07.5089	STP	3					
BOTSWANA	Selebi-Pikwe	4	Geographic Area	AFEs	Contracts		
E30.2641	STP SPD	2	Cost Categories				
UKCO-CE	Morocco-Iberian Gas	3	UKCO LVL 2	UKCO LVL 3			
*		2					

- Multi-Project structures are also available to group your projects by organisation, location, client etc. etc.

- You decide the number of levels of detail required for your project's work breakdown structure.

	Selebi-Pikwe Copper Mine
	Geographic Area
	AFEs
02201 - Construct Shaft Collar	
02202 - Sink & Line Main Shaft to 1000ML	
02203 - Develop Haulage Levels	
02204 - Develop Shaft Stations	
02205 - Dev Loading Box, Pump Statn & Shaft Bottom	
02206 - Raise Bored Shaft Systems	
*	

Close Add Save Refresh Level 5 Workpacks Summary

- Example shows detail at level 4 - Contracts - for a particular branch of the project's WBS.

- Click here to reveal next level of detail - Work Packs.

- Click here to reveal diagram of the Project WBS.

## 2.5 On Screen Reporting: Drill Down Interrogation

- Click print buttons on Toolbar to report a particular screen.

**Sub-Project Structure Rollups - Level 3**

Level 1: UKCO-CE  
 Level 2: CE-12000 Conceptual Eng - Major Contractos

Units: £k  
 Decimals: 0

Level 3 Code	Original Estimate	Original Client Authorisation	Changes to Client Authorisation	Current Client Authorisation	Total Commitmt	Expend-iture	Estimate to Complete	Forecast Final Cost	% Variance
UKCO LVL 3									
▶ 11210 - MORROCO ONSHORE THIRD PARTY	803	803	12	815	270	0	537	807	99
11220 - OFFSHORE CONTRACT	1,135	1,070	15	1,085	28	0	1,052	1,080	100
11230 - SCREENING STUDIES	30	30	0	30	0	0	31	31	103
11240 - SPAIN/CE CONTRACT	379	373	0	373	45	0	337	382	102

- You choose which columns and column headers to report by selecting your own pre-defined template.
- You decide on units and decimals.

Work Pack Code	Work Pack Name	Original Estimate	Original Client Authorisation	Changes to Client Authorisation	Current Client Authorisation	Total Commitmt	Expend-iture	Estimate to Complete	Forecast Final Cost	% Variance
OU061	Land Acquisition Pre Costs	64	64	0	64	11	0	53	64	100
OU062	Environmental Assessment	5	5	0	5	0	0	5	5	100
OU064	Onshore Borehole Survey	34	34	0	34	0	0	34	34	100
▶ OU065	Conceptual Design	635	635	12	647	240	0	399	639	99
OU066	Planning Consents & Authority	65	65	0	65	19	0	46	65	100

Code	Name	Original Estimate	Original Client Authorisation	Changes to Client Authorisation	Current Client Authorisation	Total Commitmt	Expend-iture	Estimate to Complete	Forecast Final Cost	% Variance
▶ 01	Building & Civil	175	175	2	177	45	0	130	175	99
02	Design Services (CE)	235	235	8	243	115	0	124	239	98
32	Factory Mechanical	100	100	0	100	23	0	77	100	100
85	Group Engineering	125	125	2	127	57	0	68	125	98

- Drill Down on-screen through your WBS by clicking the appropriate line to reveal more detail.
- On-screen reporting will work with ANY project reporting structure.

## 2.6 On Screen Reporting: Multi-Project Structures

- Group your projects together using Multi-Project Structures. Example shown illustrates an organisation's projects by country and then client.
- Use On-Screen Drill Down reporting to interrogate your projects by organisation, location, category etc. etc.

Multi-Project Structure Rollups - Level 2										
Level 1: <input type="text" value="KTL-Org"/>										Units: <input type="text" value="£k"/>
										Decimals: <input type="text" value="1"/>
Level 2 Code	Current Client Authorisation	Variatns approved	Control Estimate	Total Commitmt	Expend-iture	Estimate to Complete	Forecast Final Cost	% Variance	Invoices submitted to Client	
Country										
FRANCE	5,930.0	0.0	5,930.0	46.8	0.0	5,933.2	5,980.0	101	0.0	
GERMANY	17,962.0	0.0	17,962.0	0.0	0.0	18,210.0	18,210.0	101	0.0	
SPAIN	5,700.0	0.0	5,700.0	0.0	0.0	5,905.0	5,905.0	104	0.0	
▶ UK	28,024.0	0.0	28,024.0	678.0	0.0	27,361.1	28,039.1	100	0.0	

Multi-Project Structure Rollups - Level 3										
Level 1: <input type="text" value="KTL-Org"/>										Units: <input type="text" value="£k"/>
Level 2: <input type="text" value="UK"/>										Decimals: <input type="text" value="1"/>
Level 3 Code	Current Client Authorisation	Variatns approved	Control Estimate	Total Commitmt	Expend-iture	Estimate to Complete	Forecast Final Cost	% Variance	Invoices submitted to Client	
AMEC	7,800.0	0.0	7,800.0	0.0	0.0	7,800.0	7,800.0	100	0.0	
BP OIL	560.0	0.0	560.0	0.0	0.0	560.0	560.0	100	0.0	
▶ GB GAS	19,664.0	0.0	19,664.0	678.0	0.0	19,001.1	19,679.1	100	0.0	

Project Code	Project Name	Current Client Authorisation	Variatns approved	Control Estimate	Total Commitmt	Expend-iture	Estimate to Complete	Forecast Final Cost	% Variance	Invoices submitted to Client
▶ E30.2818	B38 LEP Development	16,000.0	0.0	16,000.0	0.0	0.0	16,000.0	16,000.0	100	0.0
UKCO-CE1	Morocco Cat-Reformer	3,664.0	0.0	3,664.0	678.0	0.0	3,001.1	3,679.1	100	0.0

## 2.7 Printing Reports

- Select the report **template** (columns & headers).
- Define Report **Currency**
- Define **Units** & Decimal Places.

- Select “Show” the **levels of detail** to be displayed on the report.
- Select (**filter**) data to be reported on.

- Unlike the on-screen reports, this interface allows you to generate data across all levels of the project(s) rather than for one item at a time.
- For example, this report will display all work packs within their level 3 / level 2, issuing a subtotal for each level 2 & 3 and a grand total for the report.

- Data may be output to any printer, screen (print review), exported direct to MS Word or Excel.
- Definable Header and Footers.
- Save common report selections and run as a single batch report.
- Examples of these reports can be found at the end of this brochure.

## 2.8 Graphics

- You choose the “window” of time for the graph and time now.

- You choose graph type and select either manhours or costs.

- You can edit/view graph table, view on screen or output to printer or other application i.e. Excel

**Budgets, Forecasts and Actuals Graph Selector**

<b>Define Graph Periods</b>		<b>Define Graph Cost Item Range</b>	
Period Type: <b>STANDARD</b>	Filter on: <b>Detail Project Analysis</b>	Project: <b>PUMPSTN1</b>	
Period Now: <b>1996/08</b>		Work Pack: *	
Graph Start Period: <b>1996/06</b>		Cost Code: *	
Graph End Period: <b>1997/08</b>		Cost Unit: *	
		Cost Detail: *	
		Cost Item: *	
<b>Choose Graph</b>		<b>Choose Units</b>	
Cumulative: <input checked="" type="checkbox"/>	Costs: <input checked="" type="checkbox"/>		
Incremental: <input type="checkbox"/>	ManHours: <input type="checkbox"/>		
<b>Select Lines to Plot on Graph</b>			
<b>Budget</b>		<b>Forecast</b>	
Original Estimate: <input type="checkbox"/>	Control Estimate: <input type="checkbox"/>	Commitment: <input checked="" type="checkbox"/>	
Control Budget: <input type="checkbox"/>	Forecast at Complete: <input checked="" type="checkbox"/>	Expenditure Value: <input checked="" type="checkbox"/>	
Current Budget: <input checked="" type="checkbox"/>	High Range AFC: <input type="checkbox"/>	Earned Value: <input type="checkbox"/>	
Close	Calc Data	Edit Data	Show
Print	Export Excel		
Please select a project from the lookup table			

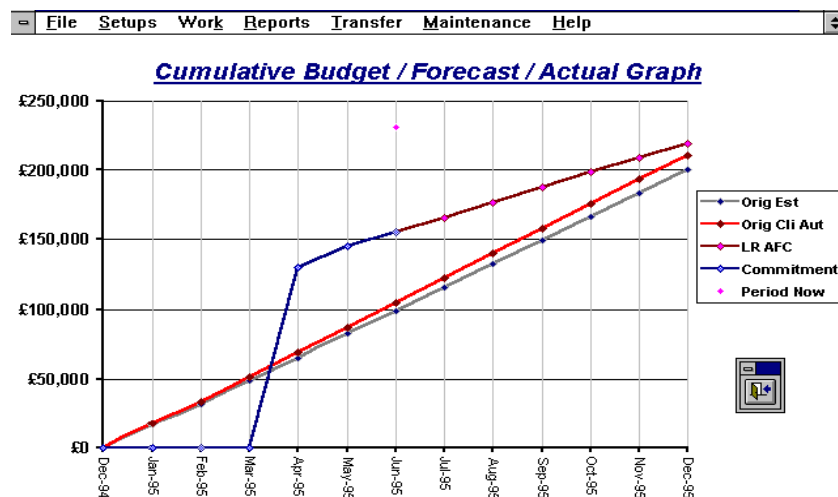
- Run a graph for any level of your project Work Breakdown Structure. Or select to graph multiple projects.
- User has control over budget and forecast profiles and periods over which the graph is run.

- You have control over which budgets, forecasts and actuals you want to graph.

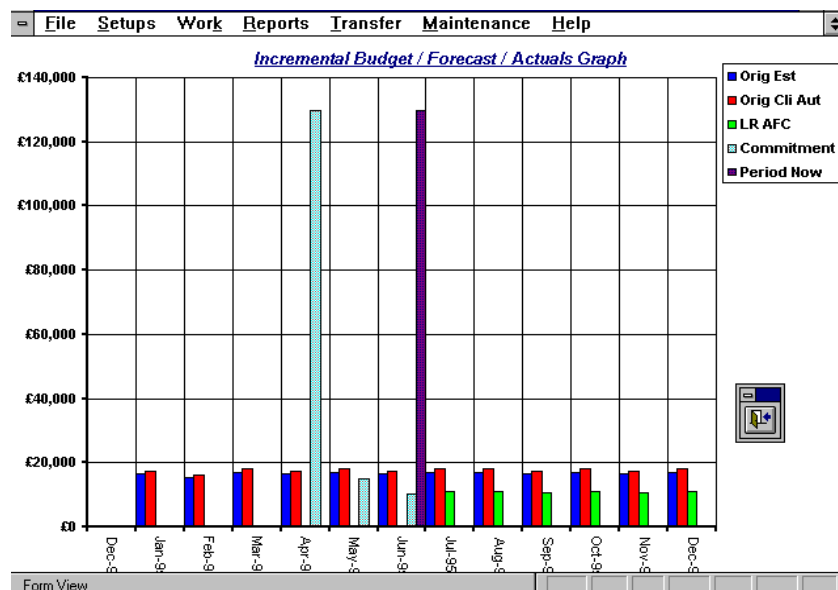
## 2.9 Tabular Data - View / Edit or Export to another application

Period	Original Estimate	Original Client Auth	Low Rng AFC	Commitmt
▶ Dec 94	0	0		0
Jan 95	16484	17390		0
Feb 95	31868	33621		0
Mar 95	48901	51591		0
Apr 95	65385	68981		130000
May 95	82418	86951		145000
Jun 95	98901	104341	155000	155000
Jul 95	115934	122310	165951	
Aug 95	132967	140280	176902	
Sep 95	149451	157670	187500	
Oct 95	166484	175640	198451	
Nov 95	182967	193030	209049	
Dec 95	200000	211000	220000	

## 2.10 Cumulative Data - Standard S-Curve



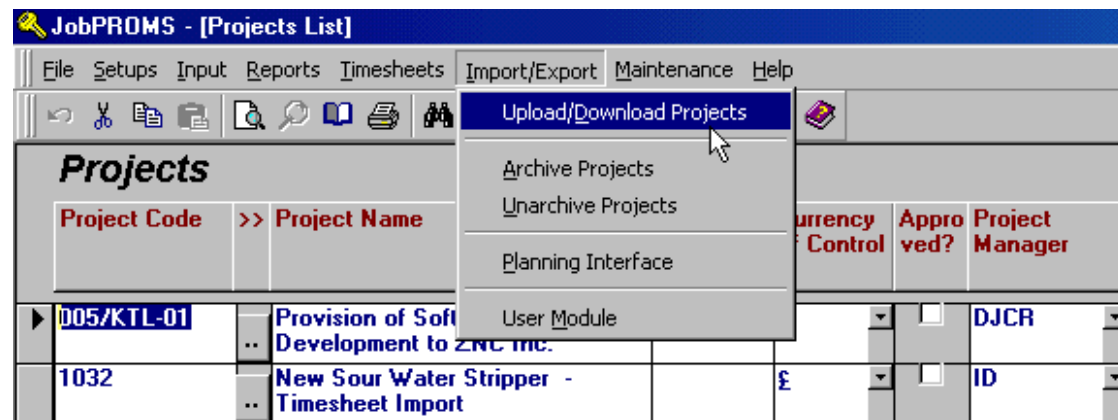
## 2.11 Incremental Data - Multi-Budget Histogram



# Chapter 3 - JobPROMS at the heart of the project

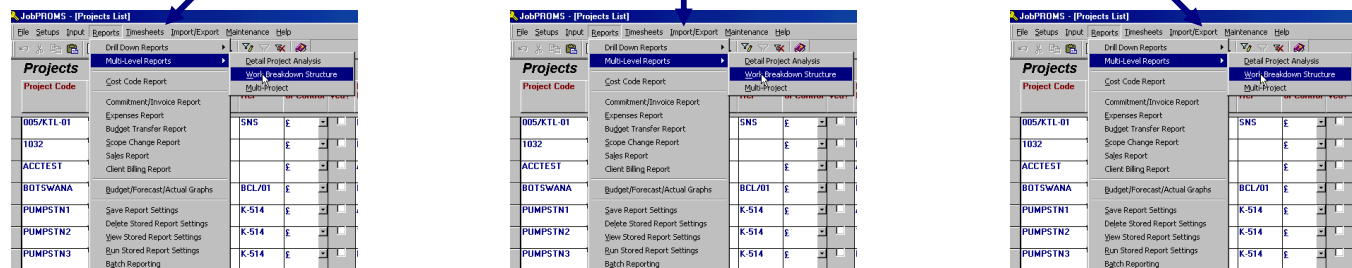
## 3.1 Central Consolidated Installation

- **Consolidated cost control:** Total project view or overall engineering / project workload for the organisation.
- Initiate projects at central site – report structures, cost codes, budgets, forecasts etc. and then **transfer to remote site** where costs will be controlled.
- Receive regular transfers from the remote sites to update the overall picture.

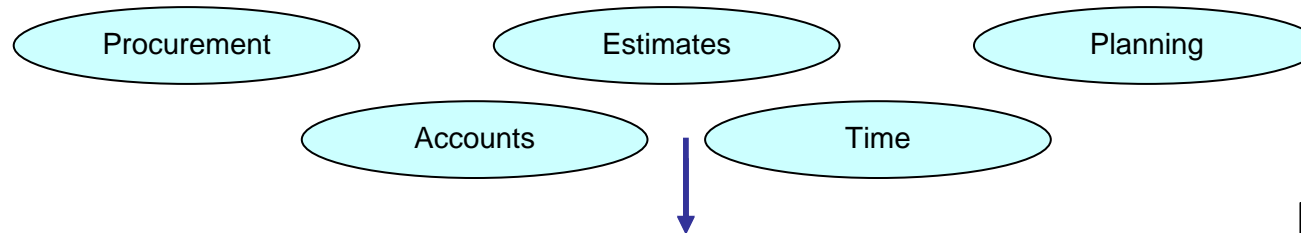


## 3.2 Remote Sites

- **Download projects** from central version or create at remote installation.
- **Costs controlled** where they are incurred – **at site**.
- **Upload latest project details** and actuals to central version.



### 3.3 Corporate and other project systems ....



- User Module can be **modified in MS Access 97** by end-user or by Kildrummy.
- **Interfaces to import data** from other systems can be supplied and tailored within the User Module.
- **Sub-systems** can be created to supplement and enhance the standard functionality of JobPROMS.
- Uses **standard conventions** and security permissions.

Microsoft Access - [Open User Defined Report]

Open User Defined Objects

Name	Type	Information (Read Only)	Project Manager	Lead Cost Engineer
▶ UE1 - Export forecast	Query	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UI1 - Import Procurement / Accounts	Form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UI2 - Import Timesheet Data	Form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UI3 - Import Excel Estimates (Update Budget)	Form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UR1 - Project Exception Report	Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
UR2 - Project Close-Out Report	Form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UR3 - Print PO / Invoice	Form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
US1 - Enter Scope Statement Sub-System	Form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
US2 - Enter Materials Sub-System	Query	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Close Open Permissions

Record: 14 of 9

- Special Reports
- Data Exports

- Interfaces:
- Updates
  - Validation
  - Suspense

- Sub-systems:
- Data Entry
  - Reports

.... linked to JobPROMS via the User Module

JobPROMS - [Projects List]

File Setups Input Reports Timesheets Import/Export Maintenance Help

Projects

Project Code	Project Name	Currency Control	Approved?	Project Manager
▶ 005/KTL-01	Provision of Software Development to ZNC inc.		<input type="checkbox"/>	DJCR
1032	New Sour Water Stripper - Timesheet Import	£	<input type="checkbox"/>	ID
ACCTEST	Relocation of Project Offices Accounts Import Test	£	<input type="checkbox"/>	APM

Upload/Download Projects  
Archive Projects  
Unarchive Projects  
Planning Interface  
User Module

# Chapter 4 - SAMPLE REPORTS

Produced by

**JobPROMS**

**The Benchmark in Cost Management**

MAJOR PROJECT 1998

Project Cost Report

Description	Original Estimate	Control Budget	Scope Changes Approved	Current Budget	Original Requisition	Overall Commitmt	Total expenditure	Expended 1997	Total Pending Changes	Estimate to Complete	Forecast at Complete	Com/Exp Variance (+/-)
	AUD	AUD	AUD	AUD	AUD	AUD	AUD	AUD	AUD	AUD	AUD	AUD
<b>BOTSWANA Silebe-Pikwe Copper Mine</b>												
01-Surface Process Plant	125,511,000	125,511,000	0	125,511,000	771,603	390,000	370,000	24,500	100,000	125,504,500	125,829,000	370,000
02-Underground Mine	174,628,000	174,628,000	250,000	174,963,000	0	0	0	0	0	174,628,000	174,628,000	0
03-Offsites/Infrastructure	77,000,000	77,000,000	0	77,000,000	0	0	0	0	0	77,000,000	77,000,000	0
80-Indirects	72,902,000	72,582,000	0	72,852,000	0	0	0	0	0	72,842,000	72,642,000	0
90-Contingency Provisions	27,500,000	27,425,000	0	27,425,000	0	0	0	0	0	27,500,000	27,500,000	0
99-Escalation	22,500,000	22,500,000	0	22,500,000	0	0	0	0	0	22,500,000	22,500,000	0
<b>BOTSWANA</b>	<b>500,041,000</b>	<b>500,251,000</b>	<b>250,000</b>	<b>500,251,000</b>	<b>771,603</b>	<b>390,000</b>	<b>370,000</b>	<b>24,500</b>	<b>100,000</b>	<b>500,074,500</b>	<b>500,099,000</b>	<b>370,000</b>

All monetary values are in Pounds Sterling (£). Rounding errors may occur

Prepared by: K Beer 28-Jan-1998

Checked By: D Ross 31-Jan-1998

Wednesday 04 February 1998 12:06

MAJOR PROJECT 1998

Project Cost Report

Description	Original Estimate £	Control Budget £	Scope Changes Approved £	Current Budget £	Original Requisition £	Overall Commitmt £	Total expenditure £	Expended 1997 £	Total Pending Changes £	Estimate to Complete £	Forecast at Complete £	Com/Exp Variance (+/-) £
<b>BOTSWANA Silebe-Pikwe Copper Mine</b>												
<i>02 – Underground Mine Geographic Area</i>												
021 – Site preparation, Civil & Structural Works	8,755,000	8,755,000	0	8,755,000	0	0	0	0	0	8,755,000	8,755,000	0
022 – Shaft Sinking & Underground Mining Developm	87,151,000	87,151,000	250,000	87,486,000	0	0	0	0	0	87,151,000	87,151,000	0
023 – Mechanical, Electrical & Instrmntn Works	52,472,000	52,472,000	0	52,472,000	0	0	0	0	0	52,472,000	52,472,000	0
024 – Pre-Commsissioning & Commissioning Works	8,750,000	8,750,000	0	8,750,000	0	0	0	0	0	8,750,000	8,750,000	0
025 – Management& Indirects	17,500,000	17,500,000	0	17,500,000	0	0	0	0	0	17,500,000	17,500,000	0
02 – Underground Mine	174,628,000	174,628,000	250,000	174,953,000	0	0	0	0	0	174,628,000	174,628,000	0
<b>BOTSWANA</b>	<b>174,628,000</b>	<b>174,628,000</b>	<b>250,000</b>	<b>174,953,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>174,628,000</b>	<b>174,628,000</b>	<b>0</b>

All monetary values are in Pounds Sterling (£). Rounding errors may occur

Prepared by: K Beer 26-Jan-1998

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MAJOR PROJECT 1998

Project Cost Report

Description	Original Estimate £	Control Budget £	Scope Changes Approved £	Current Budget £	Original Requisition £	Overall Commitmt £	Total expenditure £	Expended 1997 £	Total Pending Changes £	Estimate to Complete £	Forecast at Complete £	Com/Exp Variance (+/-) £
<b>BOTSWANA Silebe-Pikwe Copper Mine</b>												
<i>02 – Underground Mine Geographic Area</i>												
<i>021 – Site preparation, Civil &amp; Structural Works AFEs</i>												
02101 – Site Preparation and Piling	436,000	436,000	0	436,000	0	0	0	0	0	436,000	436,000	0
02102 – Civil & Struct Works to Shaft Bank Area	1,749,000	1,749,000	0	1,749,000	0	0	0	0	0	1,749,000	1,749,000	0
02103 – On-site Infrastruct (inc. Temp Roads)	1,780,000	1,780,000	0	1,780,000	0	0	0	0	0	1,780,000	1,780,000	0
02104 – Civil & Structural Works to Main Site Area	4,810,000	4,810,000	0	4,810,000	0	0	0	0	0	4,810,000	4,810,000	0
021 – Site Preparation , Civil & Structural Works	8,755,000	8,755,000	0	8,755,000	0	0	0	0	0	8,755,000	8,755,000	0
02 – Underground Mine	8,755,000	8,755,000	0	8,755,000	0	0	0	0	0	8,755,000	8,755,000	0

All monetary values are in Pounds Sterling (£). Rounding errors may occur

Prepared by: K Beer 26-Jan-1998

Checked By: D Ross 31-Jan-1998

Wednesday 04 February 1998 12:12

MAJOR PROJECT 1998  
Project Cost Report

Description	Original Estimate £	Control Budget £	Scope Changes Approved £	Current Budget £	Original Requisition £	Overall Commitmt £	Total expenditure £	Expended 1997 £	Total Pending Changes £	Estimate to Complete £	Forecast at Complete £	Com/Exp Variance (+/-) £
<b>BOTSWANA Silebe-Pikwe Copper Mine</b>												
<i>02 – Underground Mine Geographic Area</i>												
<i>021 – Site preparation, Civil &amp; Structural Works AFEs</i>												
<i>02101 – Site Preparation and Piling</i>												
02101-01 Site Prep & Pile Main Site Area	349,000	349,000	0	349,000	0	0	0	0	0	349,000	349,000	0
02101-02 Site Prep & Pile Offsites	87,000	87,000	0	87,000	0	0	0	0	0	87,000	87,000	0
02101 – Site Preparation and Piling	436,000	436,000	0	436,000	0	0	0	0	0	436,000	436,000	0
<i>02102 – Civil &amp; Struct Works to Shaft Bank Area Contracts</i>												
02102-01 Construct Foundations to Shaft Bank	962,000	962,000	0	962,000	0	0	0	0	0	962,000	962,000	0
02102-02 Install Structural Steel to Shaft Bank	787,000	787,000	0	787,000	0	0	0	0	0	787,000	787,000	0
02102 – Civil & Struct Works to Shaft Bank Area	1,749,000	1,749,000	0	1,749,000	0	0	0	0	0	1,749,000	1,749,000	0
<i>02103 – On-site Infrastruct (inc. Temp Roads) Contracts</i>												
02103-01 Construct Temporary Road Systems	700,000	700,000	0	700,000	0	0	0	0	0	700,000	700,000	0
02103-02 Construct Temporary Winding Hous	1,080,000	1,080,000	0	1,080,000	0	0	0	0	0	1,080,000	1,080,000	0
02103 – On-site Infrastruct (inc. Temp Roads)	1,780,000	1,780,000	0	1,780,000	0	0	0	0	0	1,780,000	1,780,000	0
<i>02104 – Civil &amp; Structural Works to Main Site Area Contracts</i>												
02104-01 Construct Temporary Change House	1,920,000	1,920,000	0	1,920,000	0	0	0	0	0	1,920,000	1,920,000	0
02104-02 Conxtruct Temporary Offices & Stor	2,890,000	2,890,000	0	2,890,000	0	0	0	0	0	2,890,000	2,890,000	0
02104 – Civil & Structural Works to Main Site Area	4,810,000	4,810,000	0	4,810,000	0	0	0	0	0	4,810,000	4,810,000	0
021 – Site Preparation , Civil & Structural Works	8,755,000	8,755,000	0	8,755,000	0	0	0	0	0	8,755,000	8,755,000	0

All monetary values are in Pounds Sterling (£). Rounding errors may occur

## EXAMPLE COST CODE OF ACCOUNTS ANALYSIS

### ALL PROJECT WORK 1997

Description	Original Estimate £	Control Budget £	Scope Changes Approved £	Current Budget £	Original Requisition £	Overall Commitmt £	Total expenditure £	Expended 1997 £	Total Pending Changes £	Estimate to Complete £	Forecast at Complete £	Com/Exp Variance (+/-) £
K2 Sales/Marketing	1,000	1,000	0	1,000	0	0	0	2,414	0	-1,414	1,000	0
K3 Project Management	4,000	4,000	0	4,000	0	0	0	5,390	0	-1,390	4,000	0
K4 Software Development	26,000	26,000	0	26,000	2,200	1,572	672	5,477	0	23,523	26,000	672
K5 Maintenance/Support	1,000	1,000	0	1,000	0	0	0	0	0	1,000	1,000	0
K6 Software Licences	300	300	100	400	0	0	0	625	0	-325	300	0
K7 Hardware	4,500	4,500	0	5,000	0	0	0	725	0	3,775	4,500	0
K9 Training	900	900	0	900	0	0	0	0	0	900	900	0
<b>GRAND TOTAL:</b>	<b>37,700</b>	<b>37,700</b>	<b>100</b>	<b>38,200</b>	<b>2,200</b>	<b>1,572</b>	<b>672</b>	<b>14,631</b>	<b>0</b>	<b>26,069</b>	<b>37,700</b>	<b>672</b>

All monetary values are in Pounds Sterling (£). Rounding errors may occur

Prepared by: K Beer 28-Jan-1998

Checked By: D Ross 31-Jan-1998

Wednesday 04 February 1998 12:06

# EXAMPLE COST CODE OF ACCOUNTS ANALYSIS

## ALL PROJECT WORK 1997

Description	Original Estimate £	Control Budget £	Scope Changes Approved £	Current Budget £	Original Requisition £	Overall Commitmt £	Total expenditure £	Expended 1997 £	Total Pending Changes £	Estimate to Complete £	Forecast at Complete £	Com/Exp Variance (+/-) £
Default Cost Code	529,107,309	523,702,545	332,000	529,043,645	3,586,853	1,193,500	1,159,500	94,431	24,000	527,994,219	525,088,700	1,159,500
Civils	13,644,200	13,793,200	2,000	13,765,200	1,205,050	670,000	670,000	72,520	100,000	14,012,280	14,064,200	670,000
Design	341,200	341,200	58,000	404,200	119,500	3,800	-1,000	4,900	0	351,700	356,500	-1,000
Sub-Contract	333,000	333,000	0	328,000	85,000	68,000	14,000	72,000	10,000	261,000	333,000	14,000
Design Contractors	0	0	0	0	0	0	0	0	0	0	0	0
Mechanical	0	0	0	0	100,000	10,000	10,000	0	0	13,000	13,000	10,000
Electrical	0	0	0	0	0	0	0	0	0	0	0	0
Procurement	0	0	0	0	0	0	0	0	0	0	0	0
Offsites	0	0	0	0	0	0	0	0	0	0	0	0
Production	0	0	0	0	0	0	0	0	0	0	0	0
Structural	12,000	12,000	0	12,000	5,000	0	0	0	4,000	27,000	27,000	0
Commissioning & Testing	0	0	0	0	10,000	0	0	0	0	0	0	0
Labour 1	100,000	100,000	0	100,000	23,000	0	0	0	0	100,000	100,000	0
Labour 3	0	0	0	0	0	0	0	0	0	0	0	0
Labour 4	0	0	0	0	0	0	0	0	24,000	0	0	0
Controls Department	10,000	12,000	0	12,000	0	0	0	0	0	30,000	30,000	0
Contingency/Reserves	1,000	1,000	0	500	0	0	0	0	0	1,000	1,000	0
Risk/Insurance	0	0	0	0	0	0	0	0	0	0	0	0
Construction Section	125,000	125,000	2,000	127,000	57,000	0	0	0	0	125,000	125,000	0
Administration	3,250	3,250	0	3,250	11,000	10,526	10,526	3,550	0	-300	3,250	10,528

All monetary values are in Pounds Sterling (£). Rounding errors may occur

Prepared by: K Beer 28-Jan-1998  
 Checked By: D Ross 31-Jan-1998  
 Wednesday 04 February 1998 12:06

MAJOR PROJECT 1998

Project Cost Report

Description	Original Estimate £	Control Budget £	Scope Changes Approved £	Current Budget £	Original Requisition £	Overall Commitmt £	Total expenditure £	Expended 1997 £	Total Pending Changes £	Estimate to Complete £	Forecast at Complete £	Com/Exp Variance (+/-) £
<b>KTL-Org KTL Engineering</b>												
France	22,436,000	22,117,000	1,000	22,118,000	3,033,100	1,428,000	1,416,000	98,090	10,000	22,323,910	22,422,000	1,416,000
Germany	8,450,000	8,470,000	0	8,470,000	0	0	0	1,200	0	7,798,800	7,800,000	0
Spain	500,041,000	489,991,000	280,000	500,251,000	771,603	390,000	370,000	24,500	100,000	500,074,500	500,099,000	370,000
UK	2,131,400	2,131,400	50,000	2,181,400	85,800	86,800	14,000	98,830	10,000	1,948,570	2,046,700	14,000
<b>KTL-Org</b>	<b>533,058,400</b>	<b>532,708,400</b>	<b>311,000</b>	<b>533,020,400</b>	<b>3,890,503</b>	<b>1,802,800</b>	<b>1,800,000</b>	<b>222,620</b>	<b>120,000</b>	<b>532,145,780</b>	<b>532,367,700</b>	<b>1,800,000</b>

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Checked By: D Ross 31-Jan-1998

Wednesday 04 February 1998 12:06

MAJOR PROJECT 1998

Project Cost Report

Description	Original Estimate £	Control Budget £	Scope Changes Approved £	Current Budget £	Original Requisition £	Overall Commitmt £	Total expenditure £	Expended 1997 £	Total Pending Changes £	Estimate to Complete £	Forecast at Complete £	Com/Exp Varience (+/-) £
<b>KTL-Org KTL Engineering</b>												
<b>France Country</b>												
BP France	13,401,000	13,400,000	1,000	13,401,000	3,023,100	1,406,000	1,406,000	45,090	0	13,608,910	13,687,000	1,405,000
FM WP – Paris	9,035,000	6,717,000	0	8,717,000	10,000	20,000	10,000	20,000	10,000	8,715,000	5,715,000	10,000
France	22,436,000	22,117,000	1,000	22,118,000	3,033,100	1,428,000	1,416,000	98,090	10,000	22,323,910	22,422,000	1,416,000
<b>Germany Country</b>												
Deutsche BP	8,450,000	3,470,000	0	8,470,000	0	0	0	1,200	0	7,798,800	7,800,000	0
Edeleanu Gasoilschaft	0	0	0	0	0	0	0	0	0	0	0	0
Germany	8,450,000	8,470,000	0	8,470,000	0	0	0	1,200	0	7,798,800	7,800,000	0
<b>Spain Country</b>												
Endesa	500,041,000	489,991,000	280,000	500,251,000	771,603	390,000	370,000	24,500	100,000	500,074,500	500,099,000	370,000
Spain	500,041,000	489,991,000	280,000	500,251,000	771,603	390,000	370,000	24,500	100,000	500,074,500	500,099,000	370,000
<b>UK Country</b>												
AMEC	464,000	484,000	50,000	534,000	85,000	86,000	14,000	94,180	10,000	369,520	464,000	14,000
BP Oil	1,845,000	1,645,000	0	1,846,000	0	0	0	0	0	1,560,000	1,550,000	0
GB Gas	2,400	2,400	0	2,400	800	800	0	4,650	0	-1,250	2,700	0
UK	2,131,400	2,131,400	50,000	2,181,400	85,800	86,800	14,000	98,830	10,000	1,948,570	2,046,700	14,000
KTL-Org	533,058,400	532,708,400	311,000	533,020,400	3,890,503	1,802,800	1,800,000	222,620	120,000	532,145,780	532,367,700	1,800,000