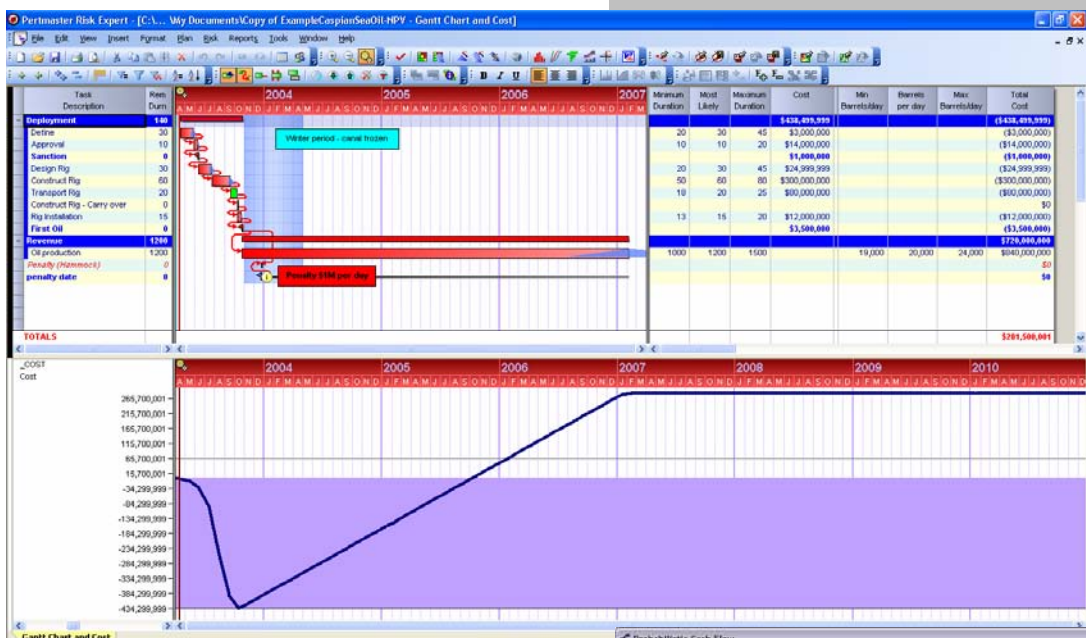


Primavera Risk Analysis Sample Reports

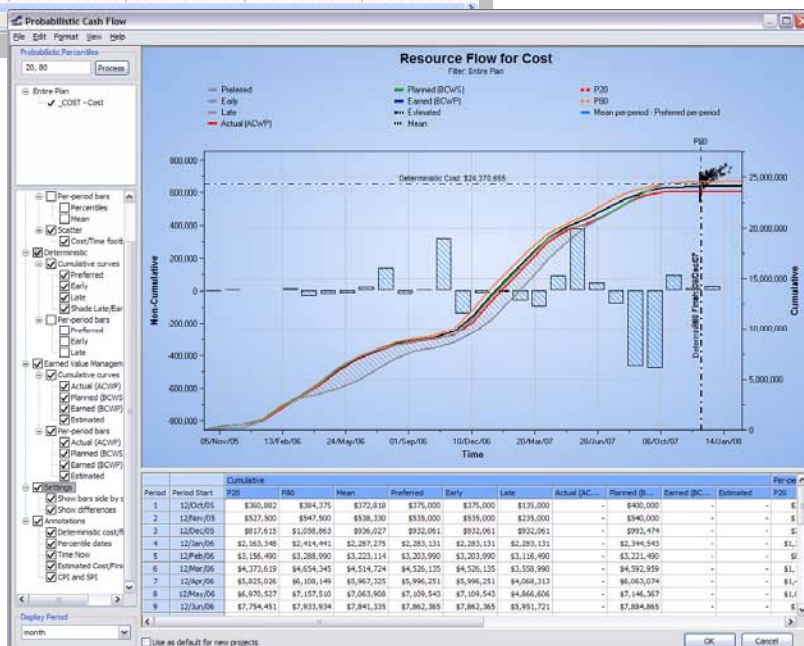
Cost Estimating

ID	Description	Probability of occurrence	Min Fixed Cost	Likely Fixed Cost	Max Fixed Cost	Total Cost
A Activities						
0010	Civils		\$850,000	\$850,000	\$1,210,000	\$950,000
0020	Buildings		\$300,000	\$320,000	\$351,000	\$320,000
0030	Structural Steel & Painting		\$900,000	\$1,100,000	\$1,300,000	\$1,100,000
0040	Mechanical Equipment Supply		\$3,500,000	\$4,000,000	\$4,255,000	\$4,000,000
0050	Mechanical Equipment Erectio		\$1,300,000	\$1,350,000	\$1,556,000	\$1,350,000
0060	Piping & Insulation Supply		\$1,500,000	\$1,750,000	\$2,250,000	\$1,750,000
0070	Piping & Insulation Erection		\$2,400,000	\$2,600,000	\$2,950,000	\$2,600,000
0080	Electrical Supply		\$250,000	\$275,000	\$315,000	\$275,000
0090	Electrical Erection		\$310,000	\$320,000	\$365,000	\$320,000
0100	Instruments Supply		\$100,000	\$150,000	\$300,000	\$150,000
0110	Instruments Erection		\$350,000	\$440,000	\$500,000	\$440,000
0120	Effluent Treatment Plant		\$1,235,000	\$1,458,000	\$1,650,000	\$1,458,000
0130	Preliminary Costs		\$2,855,000	\$3,010,000	\$3,242,000	\$3,010,000
0140	Design and Engineering		\$450,000	\$500,000	\$750,000	\$500,000
0150	Project Management		\$250,000	\$350,000	\$500,000	\$350,000
0160	General Costs		\$434,000	\$550,000	\$600,000	\$550,000
R Risks						
R1	Material supply problems	10%	\$300,000	\$400,000	\$550,000	\$0
R2	Key personal availability	25%	\$500,000	\$555,000	\$650,000	\$0
R3	Design complexity under estim	20%	\$1,250,000	\$1,350,000	\$1,500,000	\$0
TOTALS						\$19,123,000



Cost Uncertainty

Cost Gantt Chart



Probabilistic Cash Flow

Pertmaster Risk Register

File

Edit

View

Tools

Reports

Help

Qualitative

Quantitative

Risk ID	T/O	Title	Pre-Mitigation (Timeflow = 12/Oct/05)					Mitigation	Title	Total Cost	Post-Mitigation					Details
			Probability	Schedule	Cost	Safety	Score				Probability	Schedule	Cost	Safety	Score	
R19K4	T	Key resource unavailable	H	L	L	N	20	Reduce	Change res...	\$300,000	L	L	N	1	DP	
R19K3	T	Contract Delay	H	M	L	H	10	Reduce	Change for...	\$500,000	M	L	H	12	DP	
R19K10	O	Reuse previous design work	H	N	N	N	1	Enhance	Source alter...	\$0	H	N	N	1	TS	
R19K5	T	Delivery overrun	M	N	N	N	20	Reduce	Source alter...	\$50,000	L	N	N	1	TR	
R19K9	T	Design changes	H	M	M	N	14	Reduce	Source alter...	\$0	H	N	N	14	LM	
R19K1	T	Poor understanding and detail in ...	L	M	M	VL	12	Reduce	Introduce p...	\$10,000	L	L	VL	1	TS	
R19K7	T	Rework required for assembly an...	M	M	M	L	10	Reduce	Check manu...	\$200,000	N	M	L	1	BJ	
R19K2	T	System failure	VL	N	N	N	1	Reduce	Improve int...	\$750,000	N	N	N	1	RB	
R19K8	T	Testing fails	L	L	L	N	1	Reduce	Improve int...	\$0	L	L	N	1	LM	
R19K6	T	Fabrication contractor goes bust	N	M	M	M	1	Reduce	Improve int...	\$0	N	M	M	1	TR	

C

Run Details

Code Fields

Mitigation

Waterfall Chart

Notes

Risk History

ID

R19K4

Title

Key resource unavailable

Owner

Due to other project commitments.

Description

Key resources may be unavailable.

Effect

Delay could occur on completion of key activities.

RBS

R. L.2

Threat / Opportunity

Manageability

Threat

Owner

DP

Status

Open

Exposure (Entered)

\$0

Start Date

07/Jan/06

End Date

07/Jan/08

☐ Quantified Risk

☒ Show in Quantitative

Pre-mitigated position:

Probability

H (20% to 70%)

Schedule

L (10 to 20)

Cost

L (\$10,000 to \$50,000)

Score

20

Post-mitigated position:

Probability

VL (Up to 10%)

Schedule

L (10 to 20)

Cost

L (\$10,000 to \$50,000)

Score

1

☒ Pre-mitigated

☐ Post-mitigated

☒ Risk ID's

☐ Count

Very High

Qualitative Risk Register

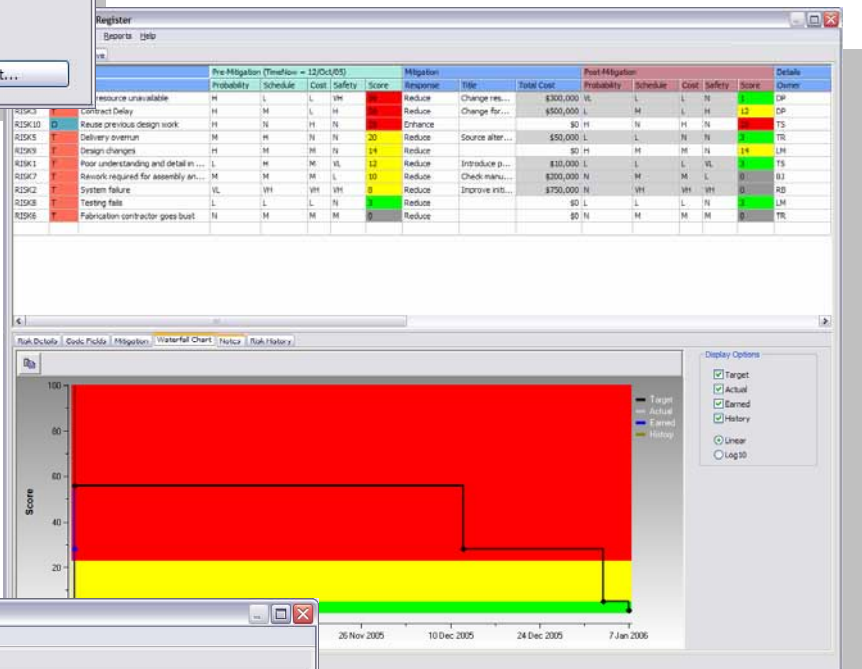
Risk Matrix

	Impacts				
	Very Low	Low	Medium	High	Very High
Very Hig...					
High %			RISK9	RISK3, RISK10	RISK4
Medium %			RISK7	RISK5	
Low %		RISK8		RISK1	
Very Lo...					RISK2

☒ Pre-mitigated
☐ Post-mitigated
☒ Risk ID's
☐ Count
☐ XXX's

Print...

Risk Matrix



Risk Mitigation

Pertmaster Risk Register

File Edit View Tools Reports Help

Qualitative Quantitative

Pre-mitigated Post-mitigated

Risk View Task View

ID	T/O	Title	Quantified	Probability	Impacted Task ID(s)
R19K4	T	Key resource unavailable	☐	60%	A070, A130, A190
R19K3	T	Contract Delay	☐	60%	A030
R19K10	O	Reuse previous design work	☐	60%	A070
001	T		☒	85%	

☐ A010 - Project Start
☐ A011 - Project Completion
☒ A020 - Pre-Bid & Bid
☒ A060 - Engineering
☐ A070 - Front End Eng Design
☐ A080 - Scheme paper
☐ A090 - Board approvals
☐ A100 - Design development
☐ A110 - Contract process
☐ A120 - Safety case
☐ A130 - External approvals
☒ A140 - Procurement
☒ A180 - Construction
☐ A190 - Reduce hazards
☐ A200 - Clean strip out
☐ A210 - Contaminated strip out
☐ A220 - Decontaminate structures
☐ A230 - Building demolition
☒ A290 - Post Implementation
☐ A310 - Damages Start

Impacts for Risk 001			Schedule			Cost			Correlate		
Task ID	Description	Shape	Min	Likely	Max	Shape	Min	Likely	Max	Impact Ranges	Event existence

Pre-mitigated selected risk: 001 -

Quantitative Risk Register

Templated Quick Risk

☒ Overwrite existing estimates

Field	Value	Tasks	Distribution	Min	Likely	Max	Correlation	Description
Summary Task / WBS	= A020 - Pre-B...	3	Triangle	90%	100%	110%	none	
Summary Task / WBS	= A060 - Engin...	7	Triangle	90%	100%	130%	none	
P50 Start	=	0	Triangle	95%	120%	150%	none	

Summary Task / WBS
Advanced Filter

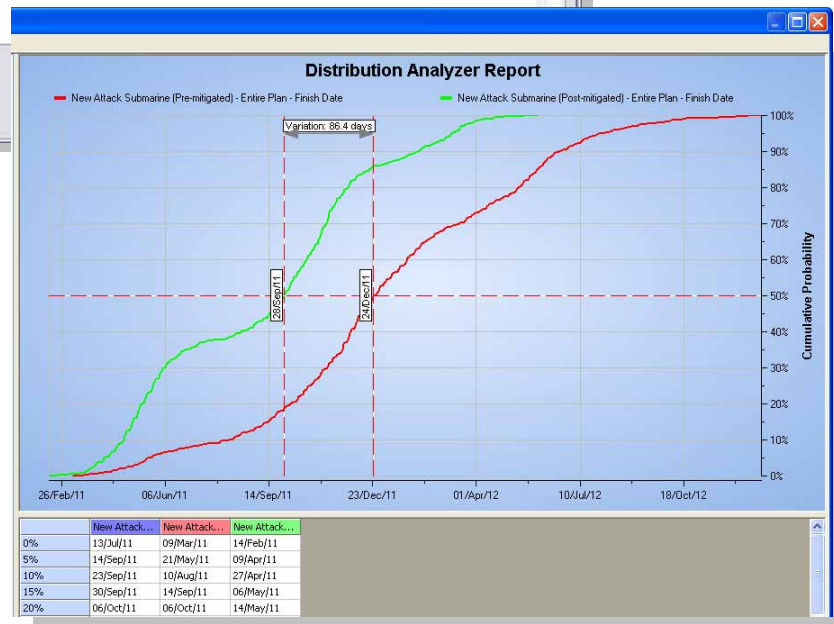
- P50 Cost
- P50 Finish
- P50 Start
- P80 Cost
- P80 Finish
- P80 Start
- Risk Level

Description:

Clear All Load... Save...

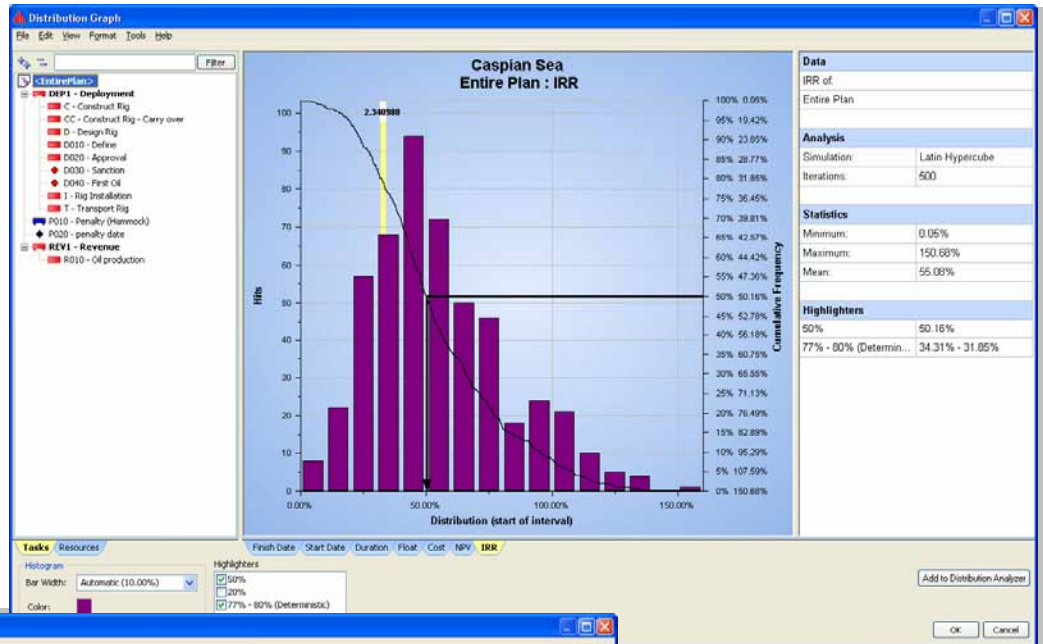
☐ Use as default for new projects

Risk Loading

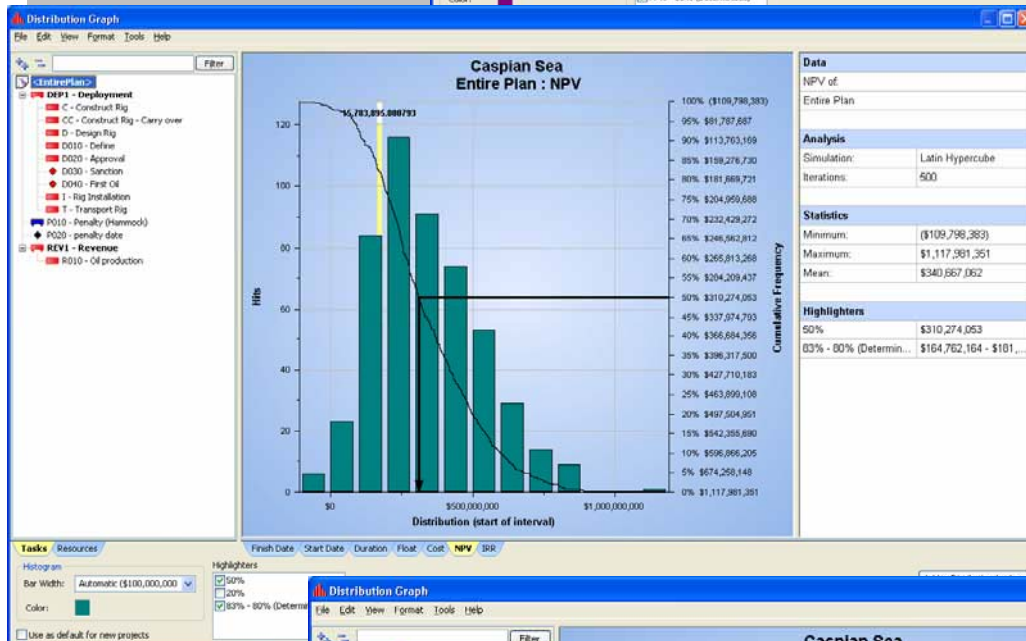


Compare Pre and Post Mitigated Plans

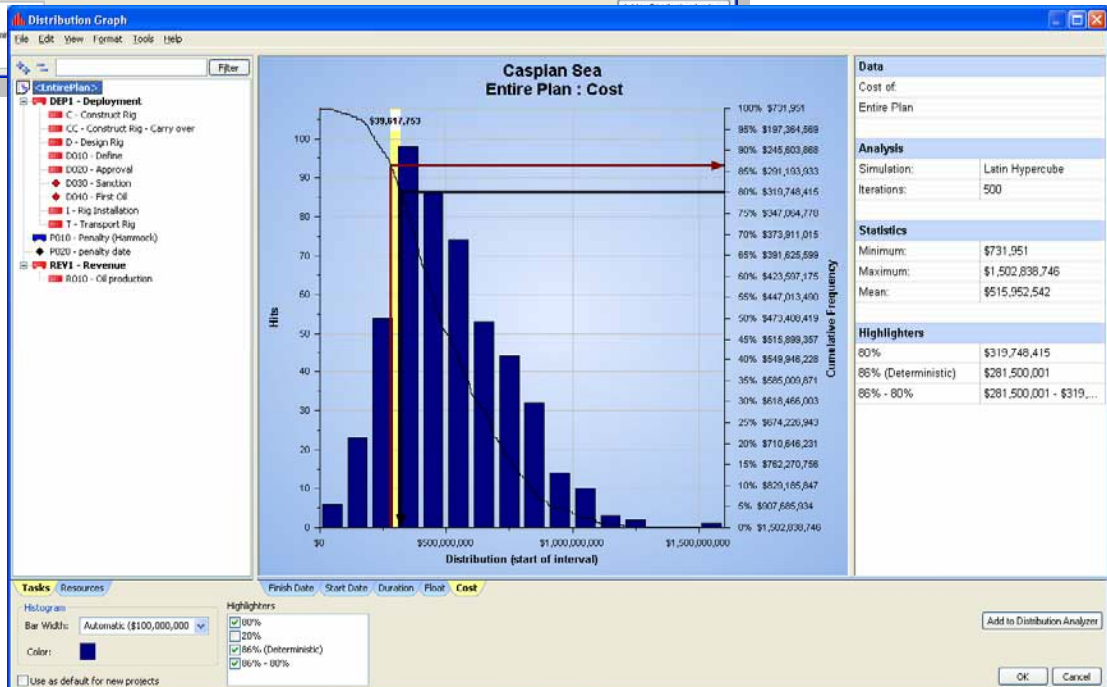
Histograms



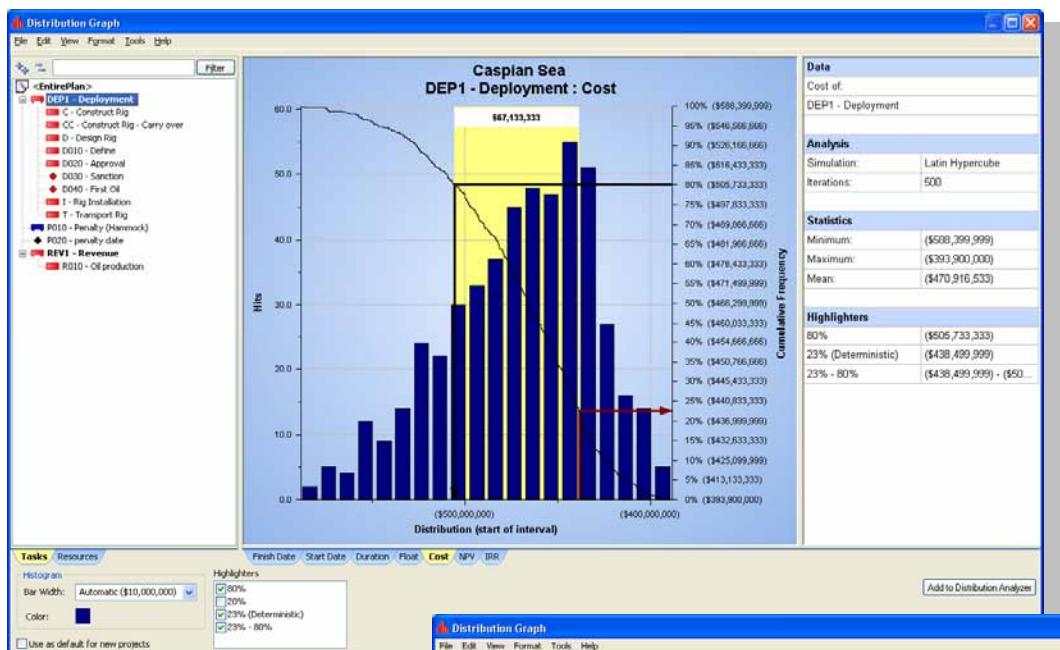
Internal Rate of Return



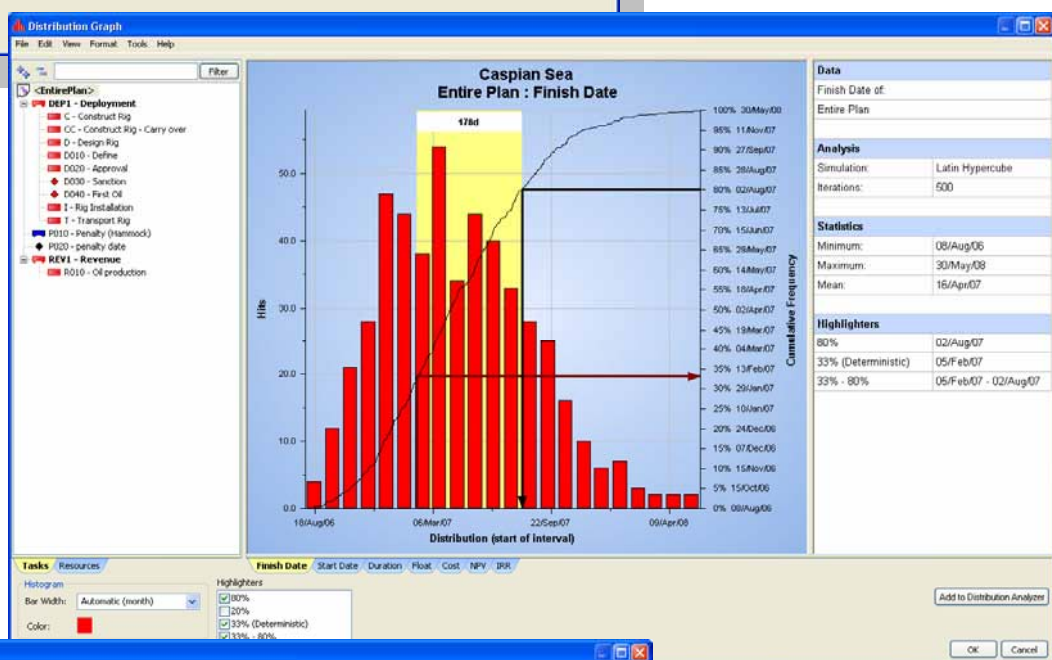
Net Present Value



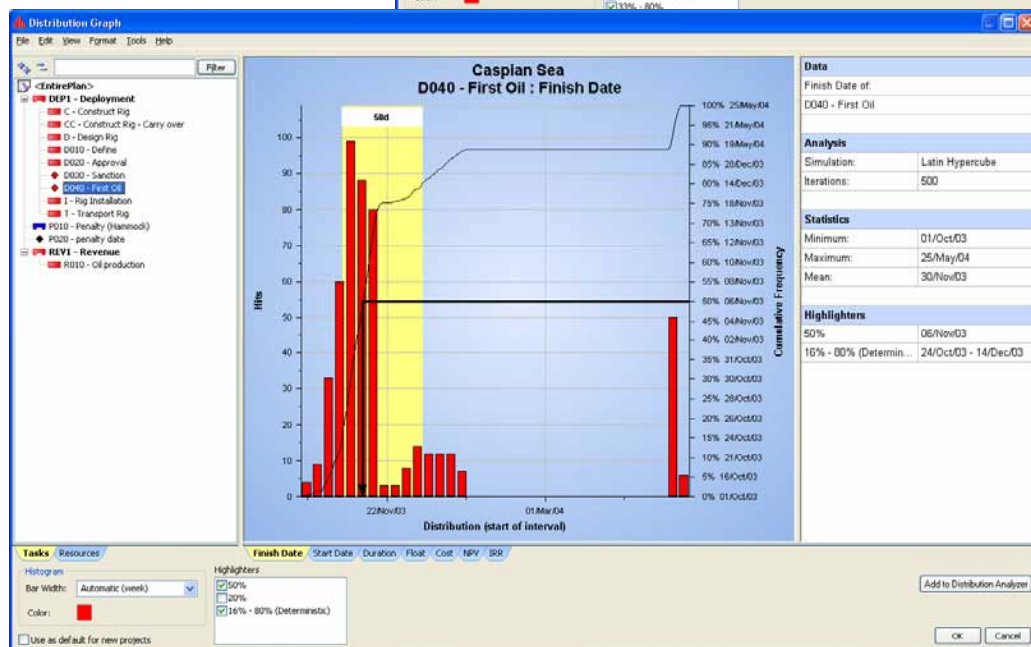
Cost Histogram: Entire



Cost Histogram: Selected WBS "Deployment"



Finish Date



Finish Date: Selected Task

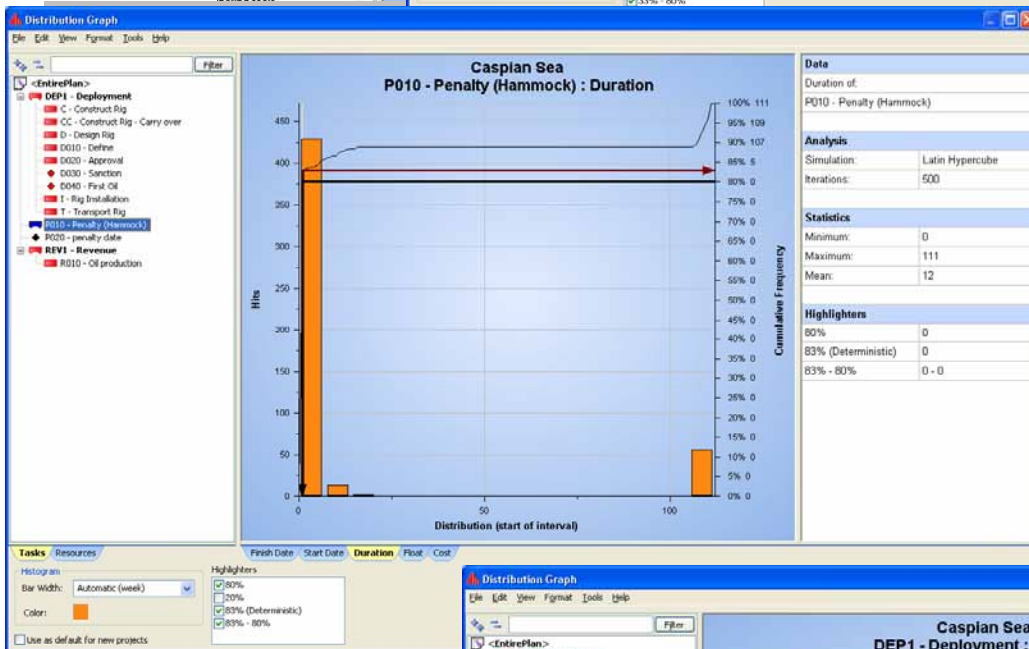
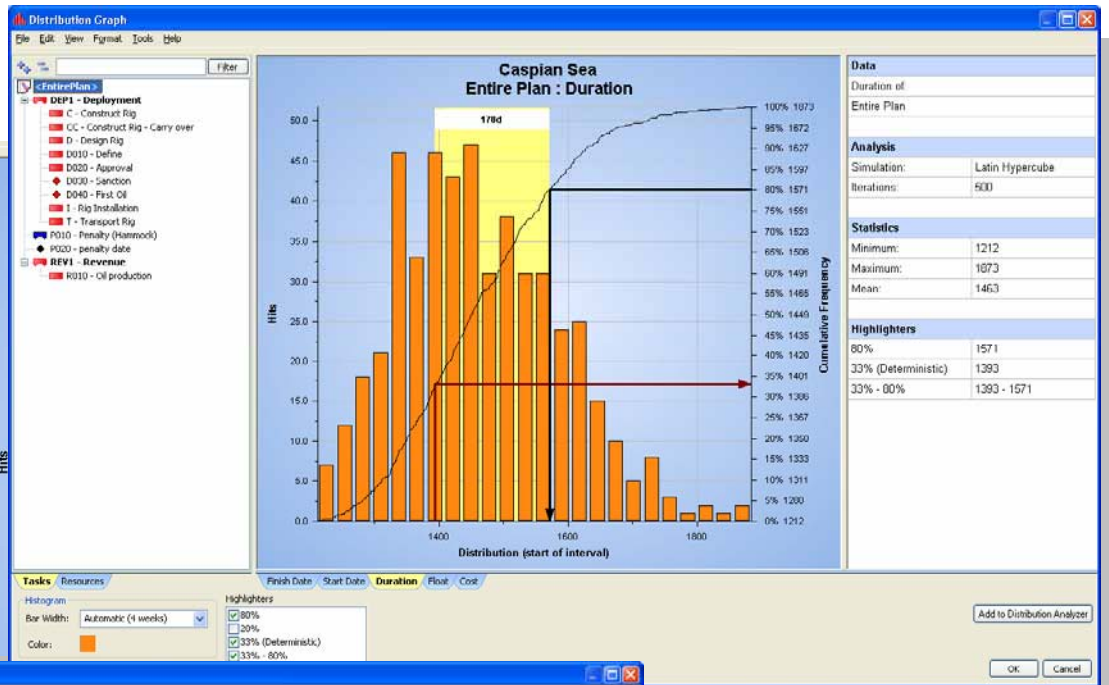
Histograms

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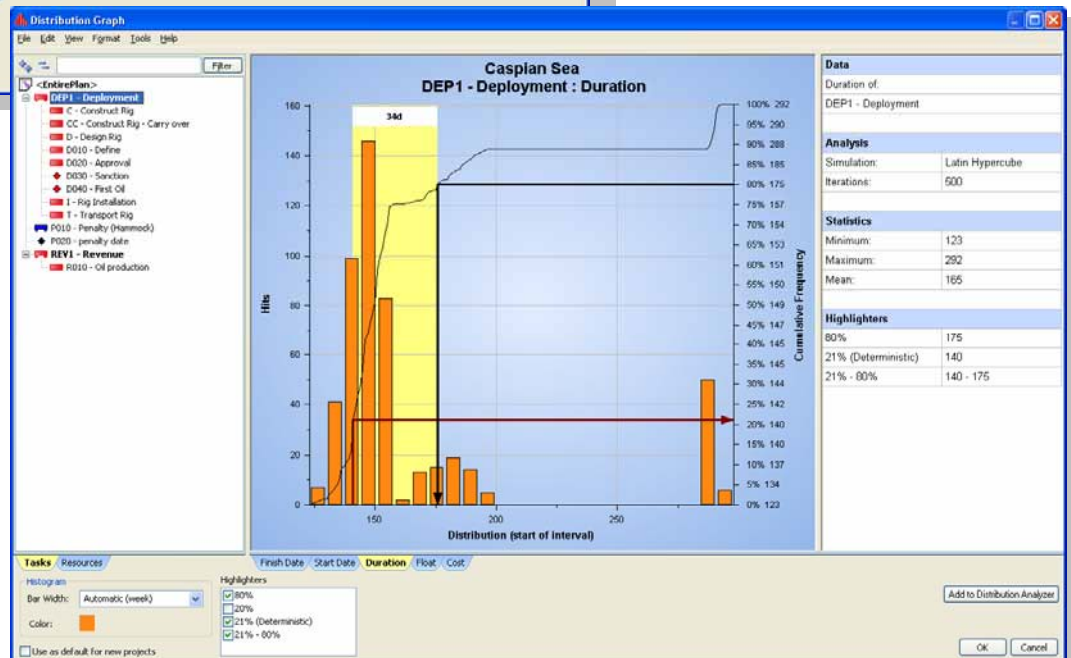
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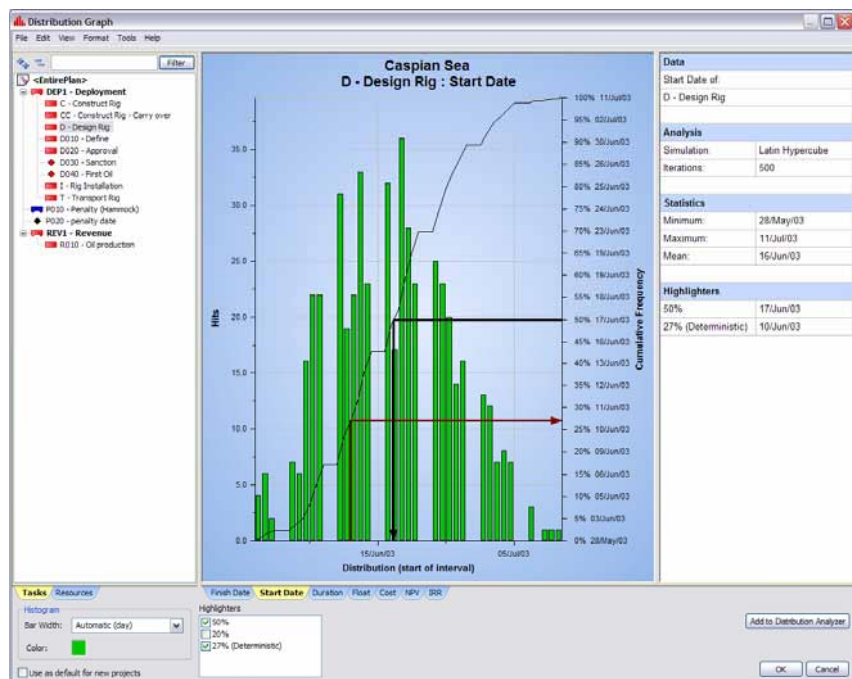
inistic) 20
20

Duration: Entire Plan

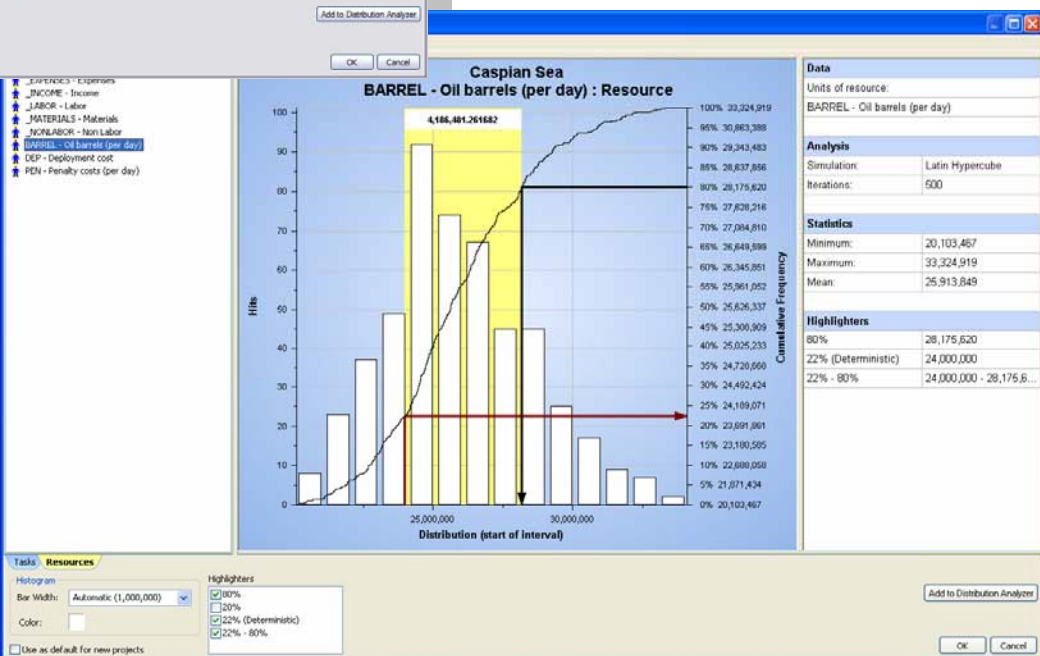
Duration Histogram for
selected Hammock Task
"Penalty"



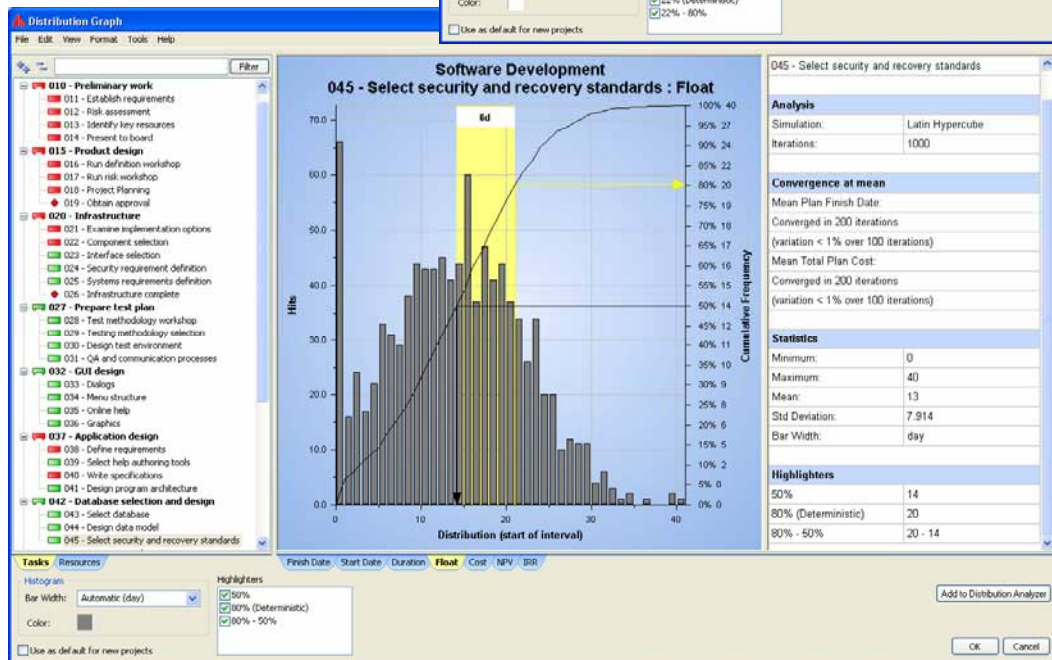
Duration Histogram for selected WBS Task "Deployment"



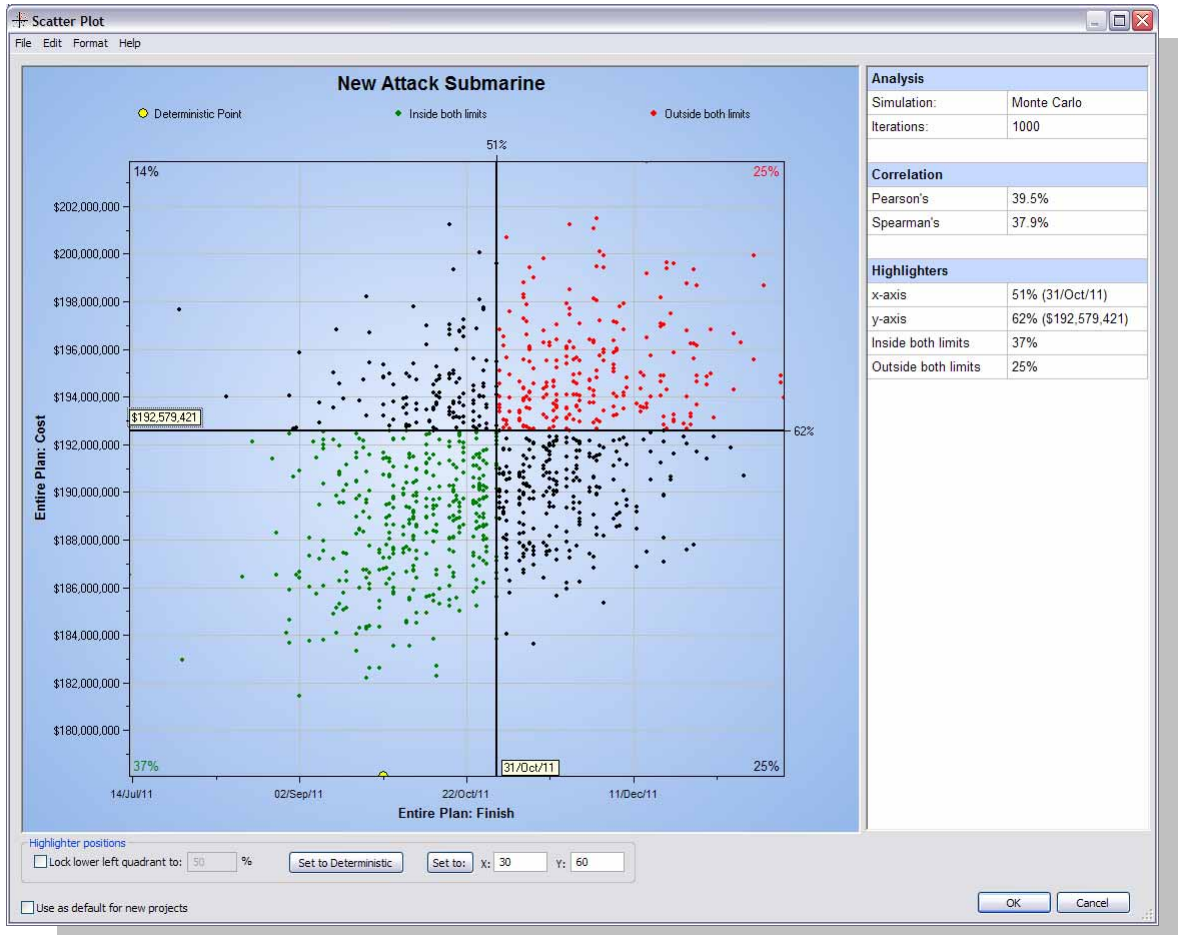
Start Date Histogram for selected Task "Design Rig"



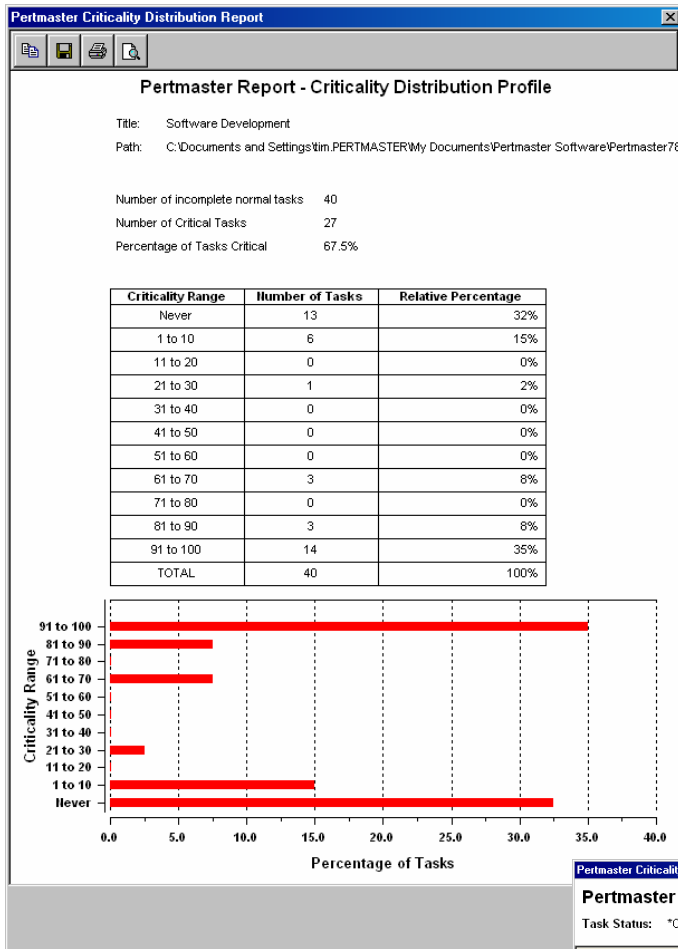
Resource Histogram



Float Distribution for selected task



Time Cost Scatter Plot



Criticality Distribution Profile

Pertmaster Criticality Path Report

Pertmaster Criticality Path Report

Task Status: *Completed* +Underway+

Criticality Path				Preceding Tasks				
Name	Description	Rem Dur	Criticality	Link	Name	Description	Rem Dur	Criticality
011	Establish requirements	4	100%					
012	Risk assessment	10	100%	FS	011	Establish requirements	4	100%
013	Identify key resources	2	100%	FS	012	Risk assessment	10	100%
014	Present to board	1	100%	FS	013	Identify key resources	2	100%
016	Run definition workshop	5	100%	FS	014	Present to board	1	100%
017	Run risk workshop	5	100%	FS	016	Run definition workshop	5	100%
018	Project Planning	11	100%	FS	017	Run risk workshop	5	100%
019	Obtain approval	Mistn	100%	FS	018	Project Planning	11	100%
021	Examine implementation options	20	100%	FS	019	Obtain approval	Mistn	100%
022	Component selection	17	100%	FS	021	Examine implementation options	20	100%
026	Infrastructure complete	0	100%	FS	022	Component selection	17	100%
				FS	025	Systems requirements definition	10	0%
				FS	024	Security requirement definition	4	0%
				FS	023	Interface selection	5	0%
038	Define requirements	25	87.8%	FS	026	Infrastructure complete	0	100%
040	Write specifications	45	87.8%	FS	038	Define requirements	25	87.8%

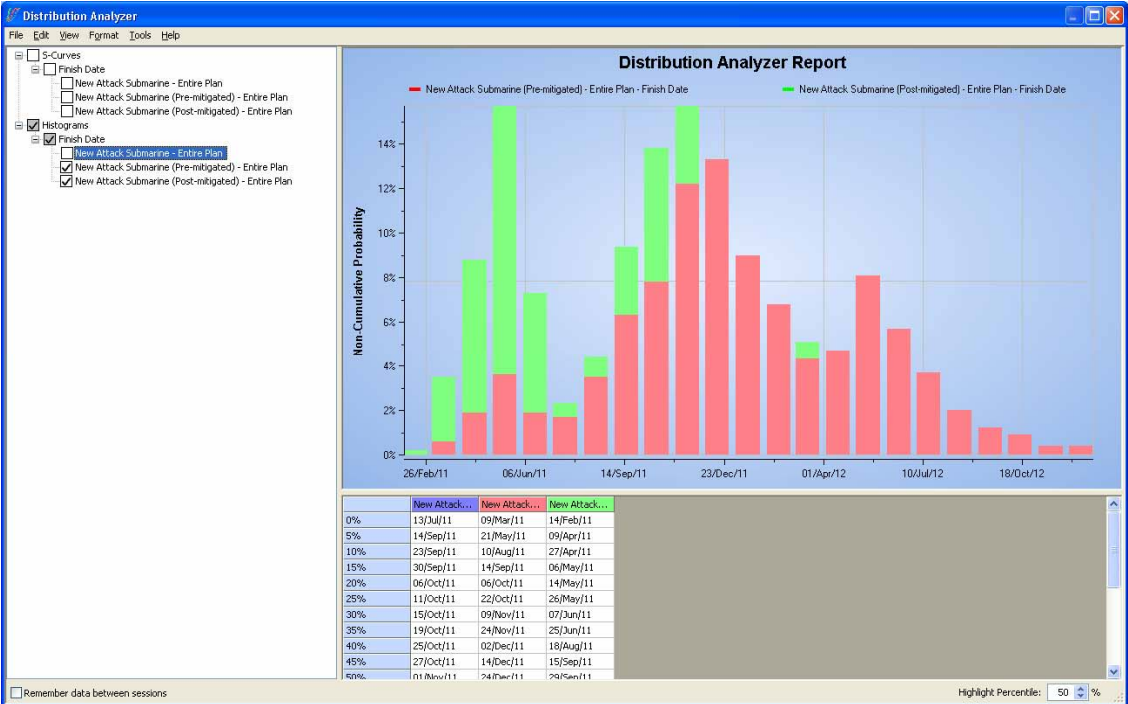
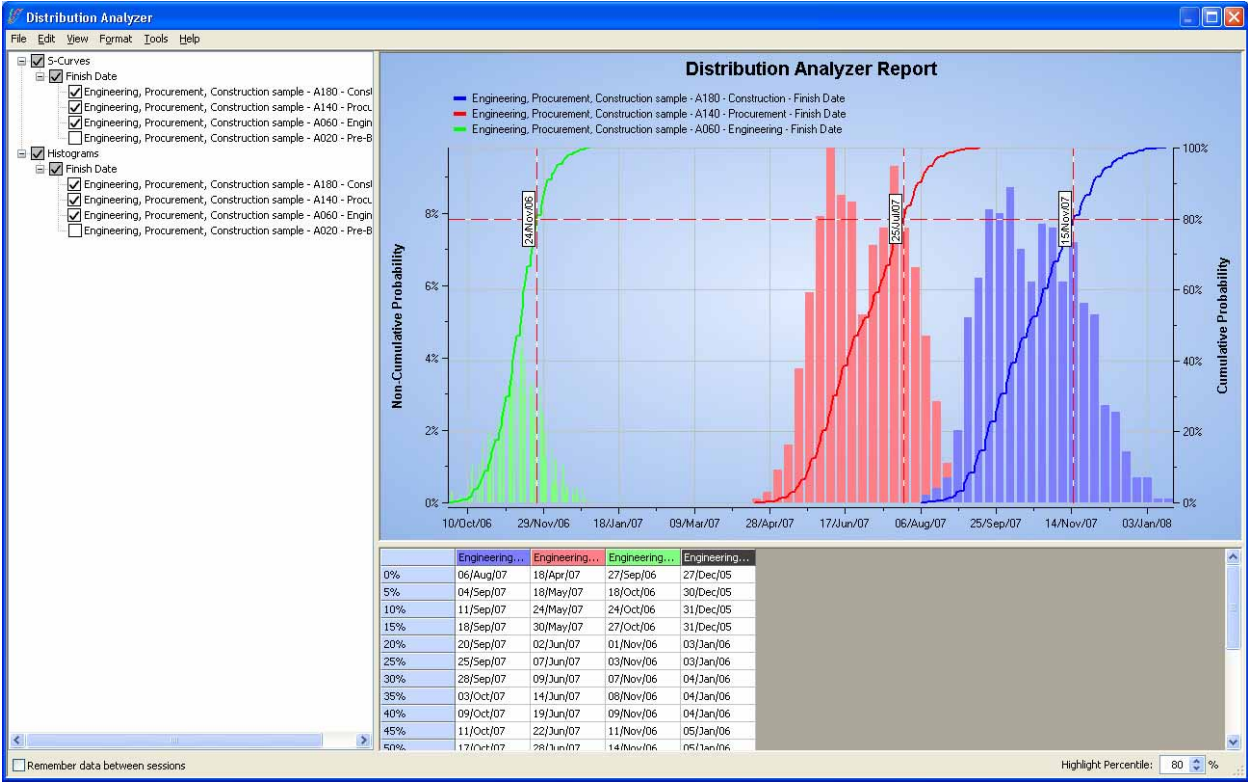
View in Excel

Print

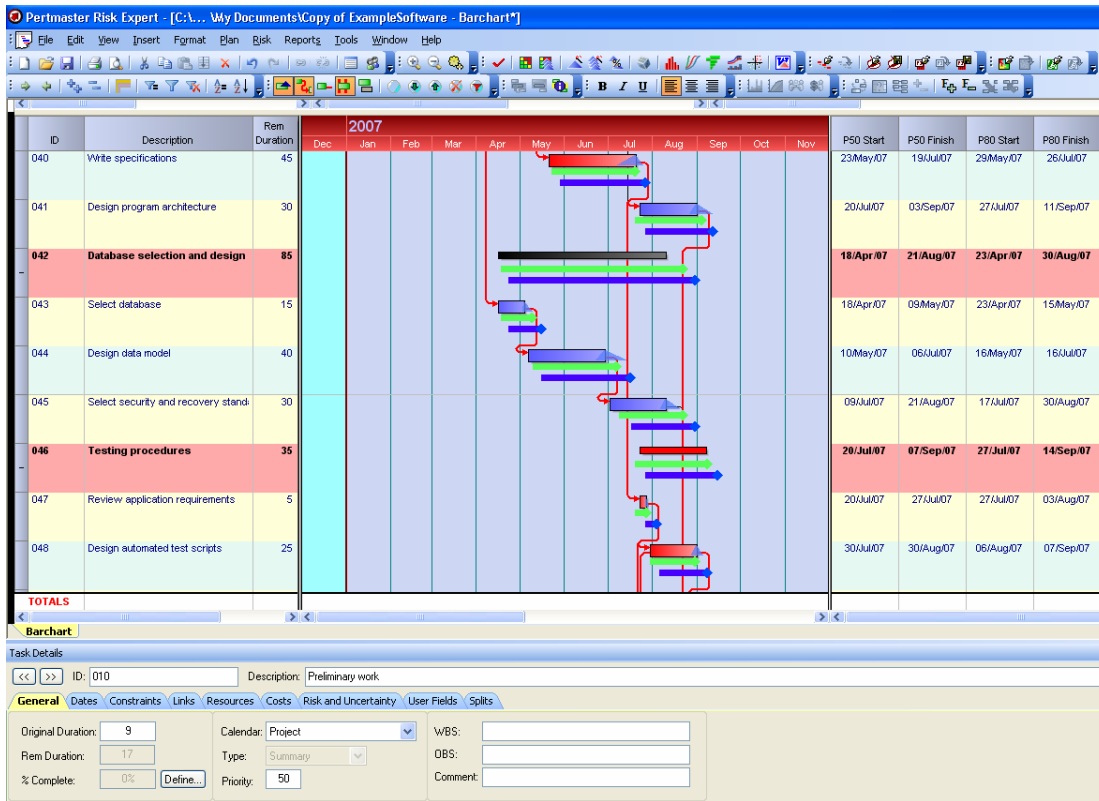
Close

Criticality Path Report

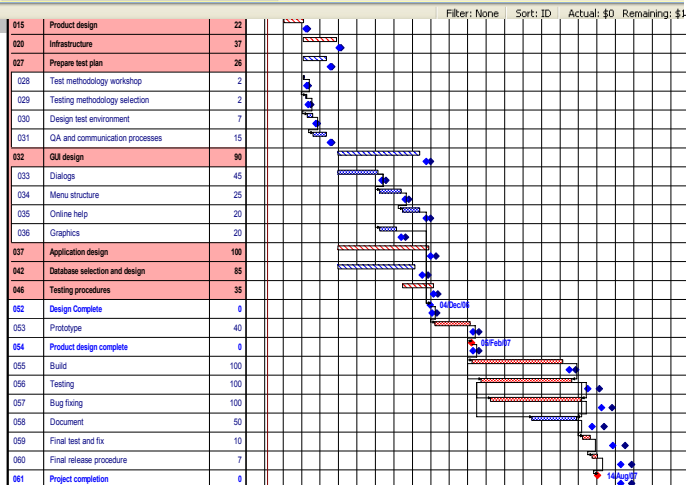
Compare Task S-Curve Report



Compare projects

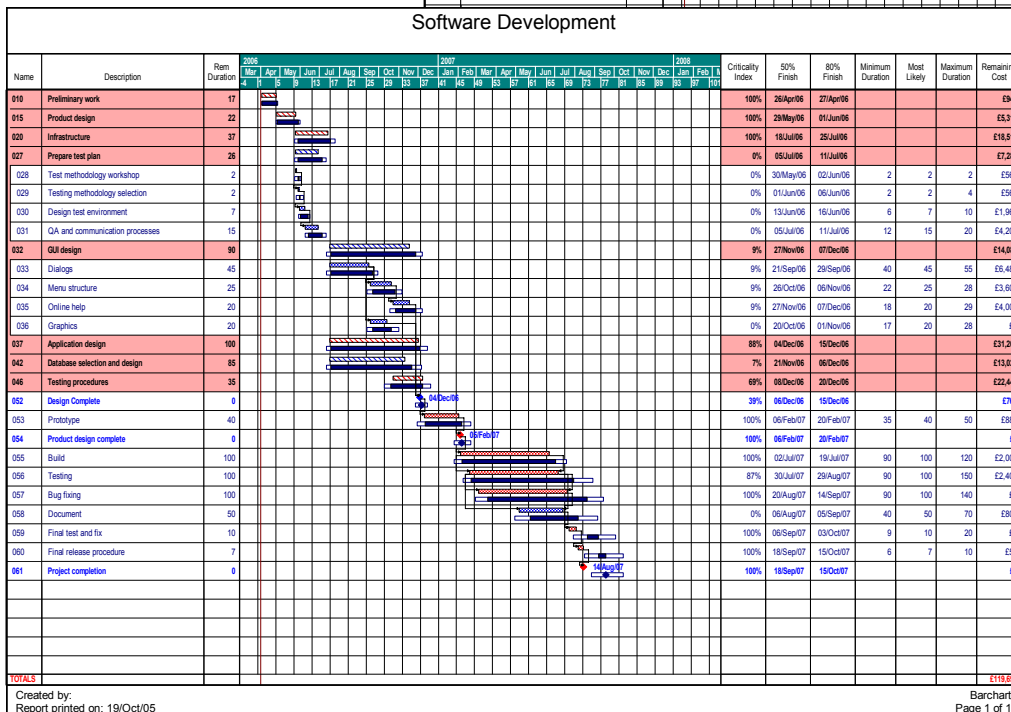


P50 and P80



2006	Criticality Index	50% Finish	80% Finish	Minimum Duration	Most Likely	Maximum Duration	Remaining Cost
100%	26/Apr/06	27/Apr/06					E941
100%	28/May/06	31/May/06					E5,319
100%	18/Jul/06	21/Jun/06					E18,512
0%	05/Jul/06	07/Jun/06					E7,286
0%	30/May/06	01/Jun/06	2	2	2		E560
0%	01/Jun/06	05/Jun/06	2	2	4		E560
0%	13/Jun/06	15/Jun/06	6	7	10		E1,960
0%	05/Jul/06	07/Jul/06	12	15	20		E4,200
9%	27/Nov/06	04/Dec/06					E14,088
9%	21/Sep/06	27/Sep/06	40	45	55		E6,480
9%	26/Oct/06	05/Nov/06	22	25	28		E3,600
9%	27/Nov/06	04/Dec/06	18	20	29		E4,000
0%	20/Oct/06	27/Oct/06	17	20	28		E0
88%	04/Dec/06	12/Dec/06					E31,204
7%	21/Nov/06	30/Nov/06					E13,028
69%	06/Dec/06	15/Dec/06					E22,440
29%	06/Dec/06	13/Dec/06					E786
100%	06/Feb/07	15/Feb/07	35	40	50		E380
100%	06/Feb/07	15/Feb/07					E0
100%	02/Jul/07	12/Jul/07	90	100	120		E2,000
87%	30/Jul/07	17/Aug/07	90	100	150		E2,400
100%	20/Aug/07	05/Sep/07	90	100	140		E0
0%	06/Aug/07	24/Aug/07	40	50	70		E800
100%	06/Sep/07	25/Sep/07	9	10	20		E0
100%	18/Sep/07	05/Oct/07	6	7	10		E56
100%	18/Sep/07	05/Oct/07					E0

Software Development

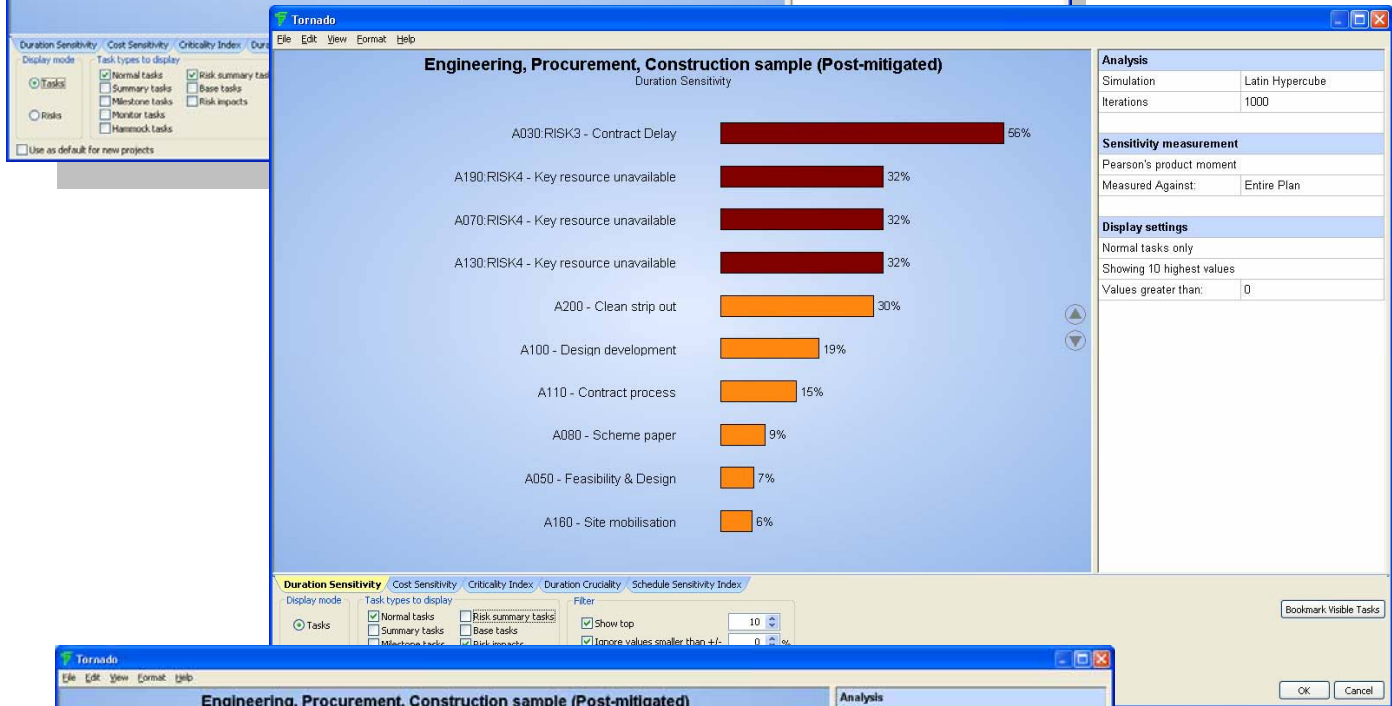


P50 and P80 - Variation

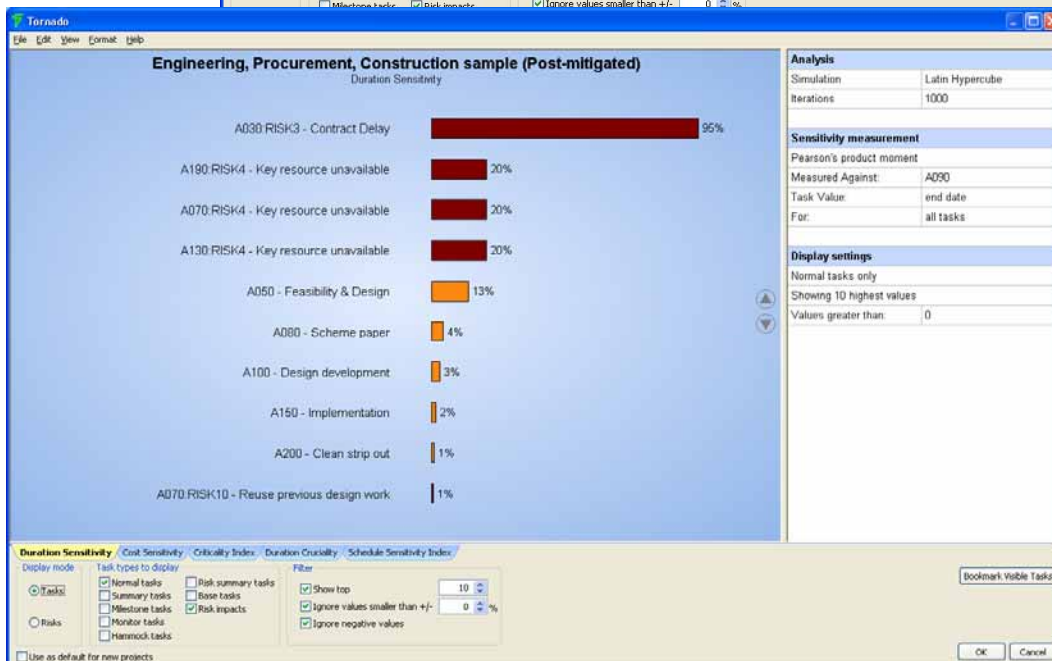
Risk Windows (P10, P50 and P90)



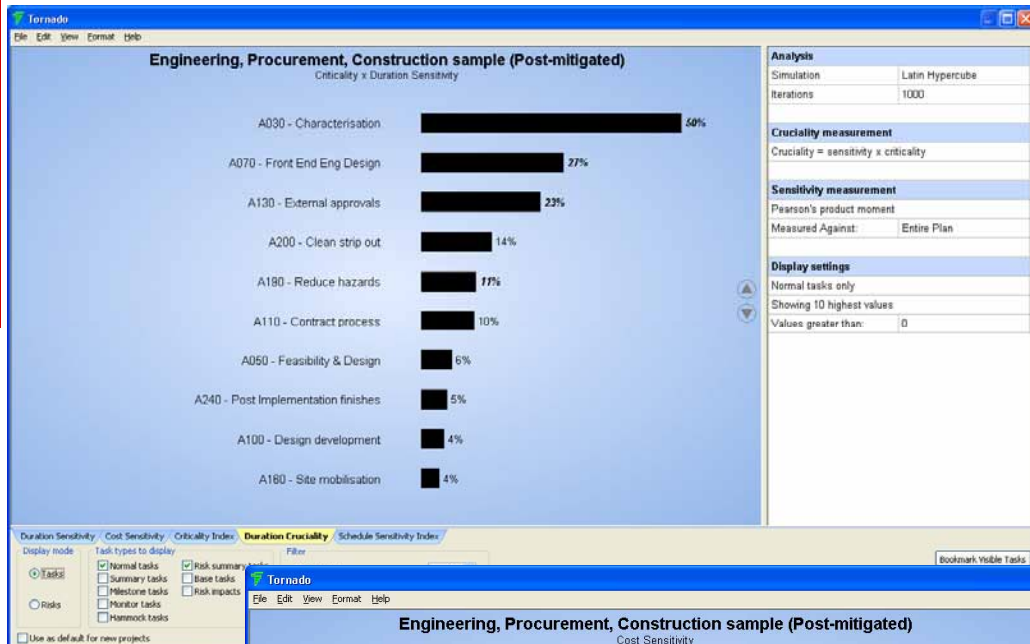
Schedule Sensitivity Index



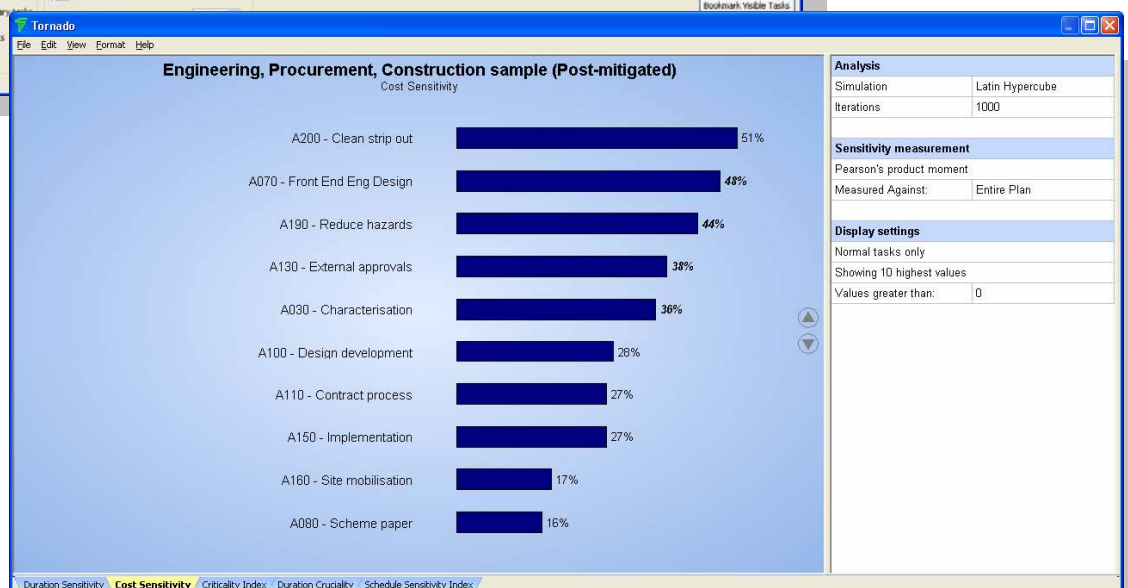
Duration Sensitivity Index – Entire Plan



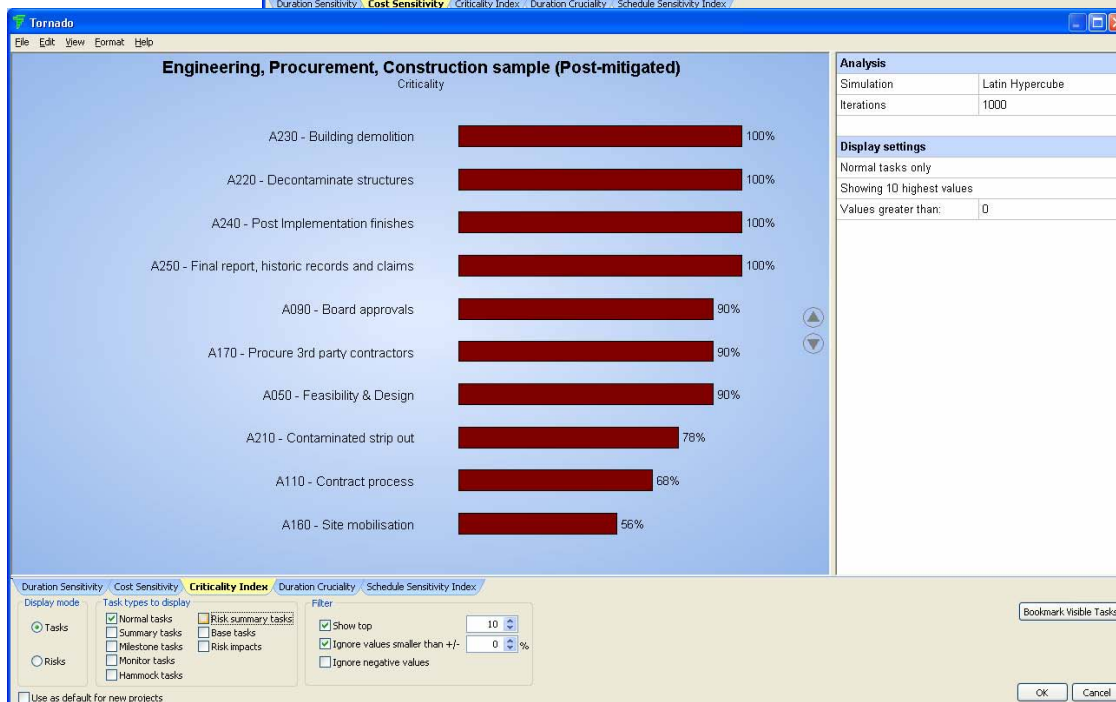
Duration Sensitivity Index – selected task "Infrastructure Complete"



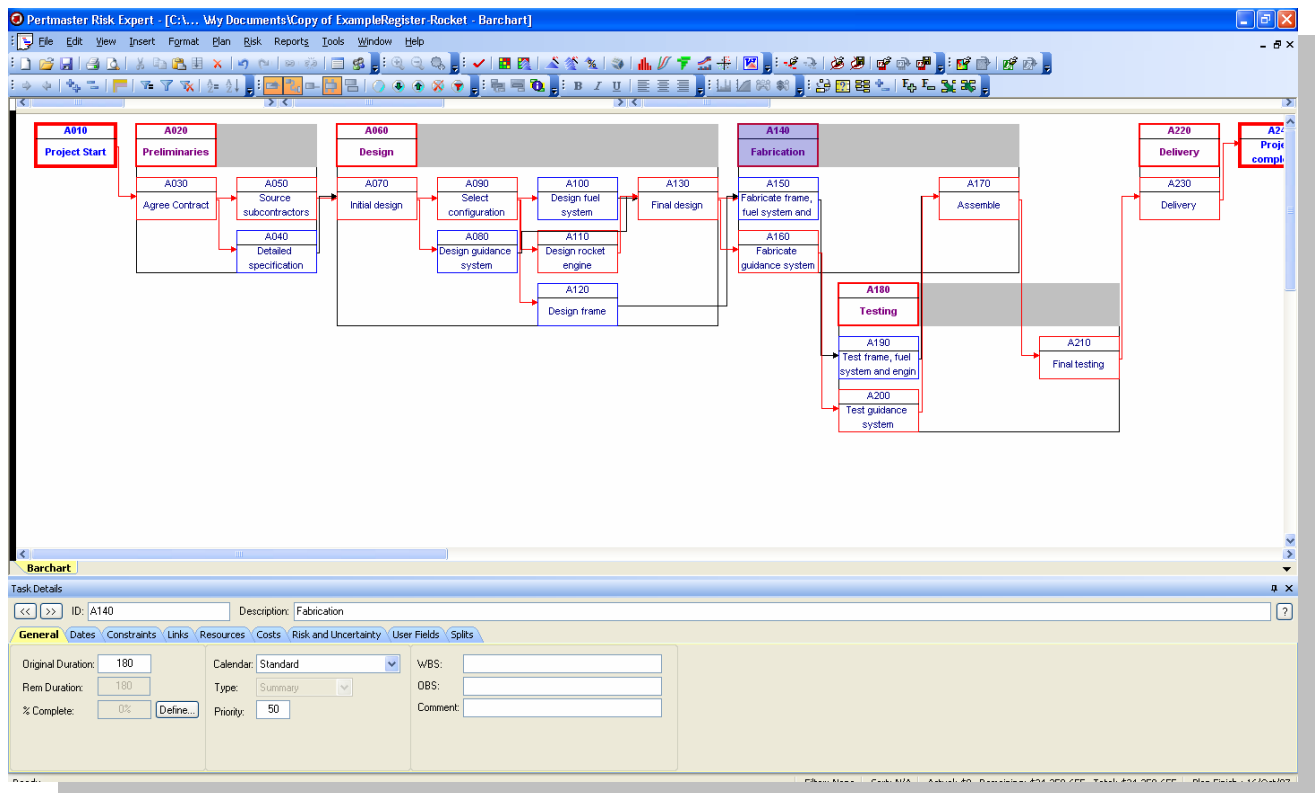
Cruciality



Cost Sensitivity



Criticality



Precedence Network

House Construction										
Task Description	Rem Dur	Budget Costs	Actual Costs	Remaining Costs	Total Costs	Total Cost Variance	Labour Cost	Material Cost	Plant Cost	Total Cost
Build a house	43	£10,935	£3,865	£7,445	£11,310	(£375)				
START	0									
PREPARE SITE	0	£560	£610		£610	(£50)	£360		£250	£610
ERECT HOARDING	0	£480	£510		£510	(£30)	£510			£510
EXCAVATE FOUNDATION	0	£840	£630		£630	£210	£480		£150	£630
LAY DRAINS	0	£540	£555		£555	(£15)	£330			£555
CONCRETE FOUNDATION	0	£650	£1,110		£1,110	(£460)	£1,110			£1,110
BRICKWORK	7	£1,890	£450	£1,470	£1,920	(£30)	£1,920			£1,920
INSTALL WINDOWS	6	£840		£840	£840		£840			£840
ROOF TRUSSES	6	£1,020		£1,020	£1,020		£1,020			£1,020
ROUGH PLUMBING & ELECTRIC	4	£400		£400	£400		£400			£400
ROOF FINISH	7	£1,015		£1,015	£1,015		£1,015			£1,015
LANDSCAPING	4	£240		£240	£240		£240			£240
PLASTER WALLS	12	£1,620		£1,620	£1,620					£1,620
FINISH ELECTRICS	4	£200		£200	£200		£200			£200
FINISH PLUMBING	4	£200		£200	£200		£200			£200
DECORATE	4	£280		£280	£280		£280			£280
CLEAN DOWN	1	£60		£60	£60		£60			£60
SNAGGING	1	£100		£100	£100		£100			£100
END	0									
TOTALS		£10,935	£3,865	£7,445	£11,310	(£375)	£9,065	£0	£400	£11,310

Builders R Us
Will Planet

Costs

Example\house\Build.pln - printed: 19 Oct 05
page 1 of 1

Barchart with cost information

House Construction												
Task Description	PLS	BRK	CAR	PAI	ELC	SCF	PLB	LAB	ROF	Man Days (total)	Man Days (remaining)	
Build a house	4	3	7	2	2	4	2	27	3	303	197	
START												
PREPARE SITE								3		12		
ERECT HOARDING			1			4		2		15		
EXCAVATE FOUNDATION								3		16		
LAY DRAINS	1							3		16		
CONCRETE FOUNDATION								2		34		
BRICKWORK		3						3		55	42	
INSTALL WINDOWS			2					2		24	24	
ROOF TRUSSES			2					3		30	30	
ROUGH PLUMBING & ELECTRIC					1		1			8	8	
ROOF FINISH			1					3		28	28	
LANDSCAPING								2		8	8	
PLASTER WALLS	3									36	36	
FINISH ELECTRICS					1					4	4	
FINISH PLUMBING							1			4	4	
DECORATE				2						8	8	
CLEAN DOWN								2		2	2	
SNAGGING			1					2		3	3	
END												
TOTALS	4	3	7	2	2	4	2	27	3	303	197	

Builders R Us
Will Planet

Resources per Task

Example\house\Build.pln - printed: 19 Oct 05
page 1 of 1

Barchart with resource assignment information

House Construction																
Task Name	Task Description	Rem Dur	17	24	1	8	15	22	29	5	12	19	26	2	9	16
0010	Build a house	43														
0020	START	0														
0030	PREPARE SITE	0														
0040	ERECT HOARDING	0														
0050	EXCAVATE FOUNDATION	0														
0060	LAY DRAINS	0														
0070	CONCRETE FOUNDATION	0														
0080	BRICKWORK	7														
0090	INSTALL WINDOWS	6														
0100	ROOF TRUSSES	6														
0110	ROUGH PLUMBING & ELECTRIC	4														
0120	ROOF FINISH	7														
0130	LANDSCAPING	4														
0140	PLASTER WALLS	12														
0180	FINISH ELECTRICS	4														
0190	FINISH PLUMBING	4														
0200	DECORATE	4														
0210	CLEAN DOWN	1														
0220	SNAGGING	1														
0230	END	0														
TOTALS																

Builders R Us
Will Planet

Target v Actual

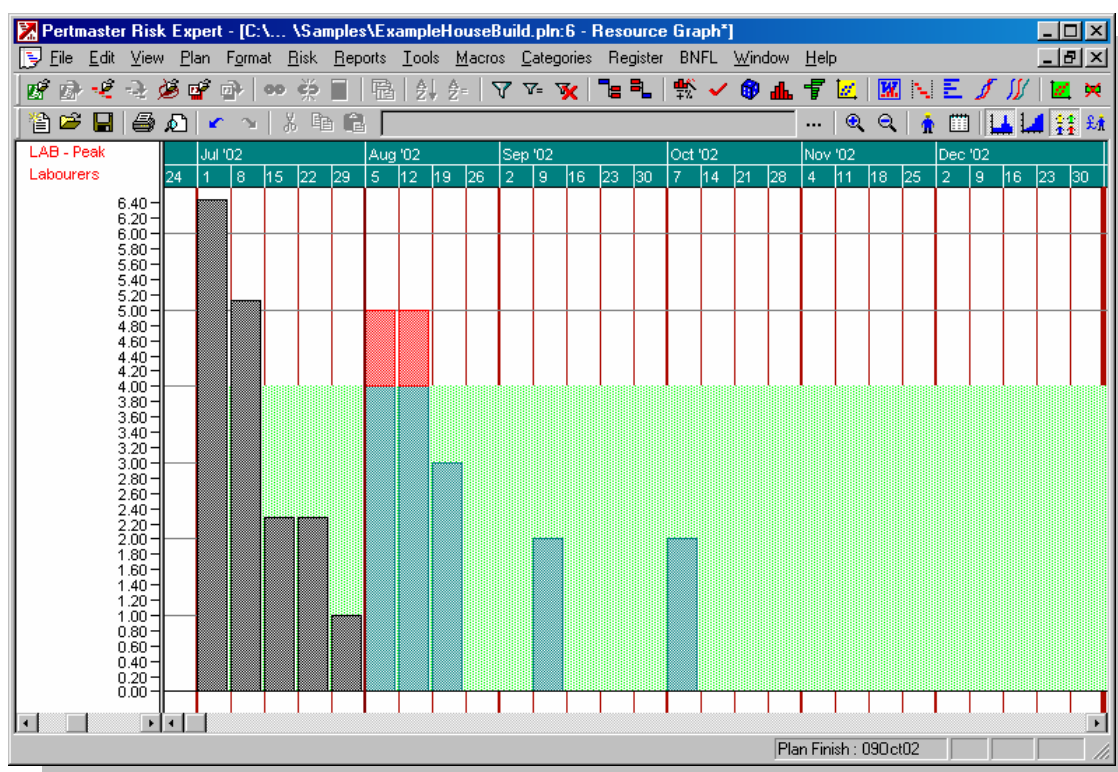
Example\house\Build.pln - printed: 19 Oct 05
page 1 of 1

Barchart with actual and target data

Pertmaster Risk Expert - [C:\...\Samples\ExampleHouseBuild.pln:7 - Resource Sheet*]																																							
File Edit View Plan Format Risk Reports Tools Macros Categories Register BNFL Window Help																																							
[Icons]																																							
Resource				Jul '02							Aug '02							Sep '02							Oct '02							Nov '02							Dec
Name	Description	Cost per Unit	Row Description	1	8	15	22	29	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	2													
BRK	Bricklayers	£40	Demand						15	6																													
			Actual					2	4																														
			Budget					12	15																														
CAR	Carpenters	£40	Demand						10	8	8		5					1																					
			Actual	2																																			
			Budget	1	1			8	10	8	5						1																						
CON	Concreters	£35	Demand																																				
			Actual				10	8																															
			Budget				8	2																															
DPT	Dump trucks	£50	Demand																																				
			Actual	5																																			
			Budget	4																																			
ELC	Electricians	£50	Demand								4						3	1																					
			Actual																																				
			Budget								4					3	1																						
EXC	Excavators	£30	Demand																																				
			Actual	1	3	0																																	
			Budget	2	4	1																																	
LAB	Labourers	£30	Demand						25	17	9			8				4																					
			Actual	21	21	11	9	5																															
			Budget	20	27	10	14	23			13	9		8				4																					
MN	Man Days	£0	Demand						50	31	31		20	23	15	12	10	5																					
			Actual	31	26	21	18	9																															
			Budget	25	36	18	28	46			23	31	20		8		6	10	5																				
PA	Painters & Decor	£35	Demand																																				
			Actual																																				
			Budget																																				
PL	Plasterers	£45	Demand											15	15	6																							
			Actual																																				
			Budget	5																																			
PLB	Plumbers	£50	Demand								4						3	1																					
			Actual																																				
			Budget								4					3	1																						
RF	Roofers	£35	Demand								6		15																										
			Actual																																				
			Budget								6	15																											
SC	Scaffolders	£35	Demand																																				
			Actual	8																																			
			Budget	4	4																																		

Plan Finish : 09Oct02

Resource Sheet



Resource Graph

Compare Plans

Base Plan:

Plan to Compare:

Plan details to compare

- ☒ Start Date
- ☒ Time Now
- ☒ Calendars
- ☒ Resources

Task details to compare

- ☒ Description
- ☒ Remaining Duration
- ☒ Calendar
- ☒ Parent Task
- ☒ Type
- ☒ Constraints
- ☒ Logic
- ☒ Scheduled Dates
- ☒ Resource Assignments
- ☒ User Fields
- ☒ Duration Uncertainty
- ☒ Risk Existence
- ☒ Risk Probabilistic
- ☒ Risk Probabilistic Links
- ☒ Risk Resources

Compare Plans

Summary Risk Report

This report will create a Word document showing the results of the risk analysis you select below.

Project Finish Date

- ☒ Show Finish Date Histogram
- ☒ Show Sensitive Tasks

Project Costs

- ☒ Show Cost Histogram
- ☒ Show Sensitive Tasks

Key Tasks

Milestones | Other Tasks

- ☐ 019 - Obtain approval
- ☒ 026 - Infrastructure complete
- ☒ 052 - Design Complete
- ☒ 054 - Product design complete
- ☐ 061 - Project completion

☒ Include Tornado chart with logical predecessors

Task Risk Data

- ☐ Show task risk data
 - ☐ Only visible tasks
 - ☒ All tasks

Summary Risk Report

Schedule Checker

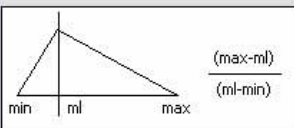
Filter: ☒ All Tasks ☐ Visible Tasks Only

Report: ☒ View Full Report ☐ View Summary

Check for the following

- ☒ Constraints
- ☒ Out of sequence updates (Broken Logic)
- ☒ Negative Lags
- ☒ Positive lags on Finish to Start links
- ☒ Start to Finish links
- ☒ Links To/From Summary tasks
- ☒ Open Ended tasks (start and finish tasks)
 - ☒ Include Predecessors
 - ☒ Include Successors
- ☒ Links with lags longer than units
- ☒ Lags between tasks with different calendars
 - ☒ for Finish to Start links
 - ☒ for Start to Start links
 - ☒ for Finish to Finish links
- ☒ Duration Risk Validation

☒ Bookmark tasks after report is produced



Schedule Checker

There are many combinations of barchart tabular reports that can be created. Here are some examples.

Software Development											
Name	Description	Rem Dur	Duration Risk	Risk Distribution	Minimum Duration	Most Likely	Maximum Duration	Std Dev Duration	Mean Dur Input	Shape	Dur Risk On?
010	Preliminary work	0d									
015	Product design	0d									
016	Run definition workshop	0d	Triangle(4,5,6)	Triangle	4	5	6				
017	Run risk workshop	0d	Triangle(4,5,6)	Triangle	4	5	6				
018	Project Planning	0d	Triangle(10,11,15)	Triangle	10	11	15				
019	Obtain approval	0d									
020	Infrastructure	0d									
021	Examine implementation options	0d	Triangle(14,20,25)	Triangle	14	20	25				
022	Component selection	0d	Triangle(16,17,20)	Triangle	16	17	20				
023	Interface selection	0d	Triangle(4,5,12)	Triangle	4	5	12				
024	Security requirement definition	0d	Triangle(3,4,10)	Triangle	3	4	10				
025	Systems requirements definition	0d	Triangle(8,10,12)	Triangle	8	10	12				
026	Infrastructure complete	0d									
027	Prepare test plan	0d									
028	Test methodology workshop	0d	Triangle(2,2,2)	Triangle	2	2	2				
029	Testing methodology selection	0d	Triangle(2,2,4)	Triangle	2	2	4				
030	Design test environment	0d	Triangle(6,7,10)	Triangle	6	7	10				
031	QA and communication process	0d	Triangle(12,15,20)	Triangle	12	15	20				
032	GUI design	66d									
037	Application design	86d									
042	Database selection and design	77d									
046	Testing procedures	35d									
052	Design Complete	0d									
053	Prototype	40d	Triangle(35,40,50)	Triangle	35	40	50				Y
054	Product design complete	0d									
055	Build	100d	Triangle(90,100,120)	Triangle	90	100	120				Y
056	Testing	100d	Triangle(90,100,150)	Triangle	90	100	150				Y
057	Bug fixing	100d	Triangle(90,100,140)	Triangle	90	100	140				Y

Software Development												
Name	Description	Mean Start	Mean Finish	Mean Duration	Mean Cost	Std Dev Dur	Std Dev Cost	Criticality Index	Duration Sensitivity	Duration Cruciality	Cost Sensitivity	Task Existed
010	Preliminary work	03/Apr/06	25/Apr/06	18	970	1	67	100%	15%	15%	0%?	100%
015	Product design	26/Apr/06	27/May/06	23	5,679	2	525	100%	8%	8%	0%?	100%
016	Run definition workshop	26/Apr/06	02/May/06	5	380	1	54	100%	-3%	-3%	0%?	100%
017	Run risk workshop	03/May/06	09/May/06	5	835	1	118	100%	7%	7%	0%?	100%
018	Project Planning	10/May/06	26/May/06	12	4,320	1	510	100%	9%	9%	0%?	100%
019	Obtain approval	27/May/06	26/May/06	0	144	0	0	100%	0%	0%	0%?	100%
020	Infrastructure	27/May/06	17/Jul/06	37	19,464	3	1,453	100%	21%	21%	0%?	100%
021	Examine implementation options	27/May/06	22/Jun/06	20	7,237	3	966	100%	20%	20%	0%?	100%
022	Component selection	24/Jun/06	17/Jul/06	18	7,632	1	509	100%	9%	9%	0%?	100%
023	Interface selection	24/Jun/06	02/Jul/06	7	0	2	0	0%	2%	0%	0%?	100%
024	Security requirement definition	24/Jun/06	30/Jun/06	6	2,675	2	891	0%	1%	0%	0%?	100%
025	Systems requirements definition	24/Jun/06	06/Jul/06	10	1,920	1	222	0%	3%	0%	0%?	100%
026	Infrastructure complete	19/Jul/06	17/Jul/06	0	0	0	0	100%	0%	0%	0%?	100%
027	Prepare test plan	27/May/06	04/Jul/06	28	7,840	2	694	0%	-5%	0%	0%?	100%
028	Test methodology workshop	27/May/06	29/May/06	2	560	0	0	0%	3%	0%	0%?	100%
029	Testing methodology selection	30/May/06	01/Jun/06	3	747	1	209	0%	2%	0%	0%?	100%
030	Design test environment	03/Jun/06	12/Jun/06	8	2,146	1	330	0%	-3%	0%	0%?	100%
031	QA and communication processes	14/Jun/06	04/Jul/06	16	4,387	2	564	0%	-5%	0%	0%?	100%
032	GUI design	19/Jul/06	26/Nov/06	94	14,787	5	773	9%	4%	0%	0%?	100%
037	Application design	19/Jul/06	03/Dec/06	99	31,911	6	2,026	88%	25%	22%	0%?	100%
042	Database selection and design	19/Jul/06	21/Nov/06	90	13,819	7	1,256	7%	3%	0%	0%?	100%
046	Testing procedures	20/Oct/06	08/Dec/06	36	23,056	3	1,546	69%	12%	8%	0%?	100%
052	Design Complete	07/Dec/06	05/Dec/06	0	760	0	0	39%	0%	0%	0%?	100%
053	Prototype	11/Dec/06	06/Feb/07	42	917	3	77	100%	30%	30%	0%?	100%
054	Product design complete	07/Feb/07	06/Feb/07	0	0	0	0	100%	0%	0%	0%?	100%
055	Build	07/Feb/07	01/Jul/07	103	2,067	7	132	100%	7%	7%	0%?	100%
056	Testing	21/Feb/07	31/Jul/07	115	2,766	12	286	87%	59%	52%	0%?	100%
057	Bug fixing	21/Mar/07	20/Aug/07	110	0	11	0	100%	40%	40%	0%?	100%
058	Document	26/May/07	07/Aug/07	73	863	3	106	66%	66%	66%	0%?	100%
059	Final test and fix	22/Aug/07	07/Sep/07	16	0	0	0	0%	0%	0%	0%?	100%
060	Final release procedure	09/Sep/07	18/Sep/07	9	0	0	0	0%	0%	0%	0%?	100%
061	Project completion	20/Sep/07	18/Sep/07	0	0	0	0	0%	0%	0%	0%?	100%
062	Insurance	03/Apr/06	07/Apr/06	4	0	0	0	0%	0%	0%	0%?	100%

Software Development						
Name	Description	Early Start	Preferred Start	Late Start	Target Start	Earliest Finish
010	Preliminary work	03/Apr/06	03/Apr/06	03/Apr/06		25/Apr/06

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Risk Analysis Outputs

Software Development													
Name	Description	Early Start	Preferred Start	Late Start	Target Start	Early Finish	Preferred Finish	Late Finish	Target Finish		Total Float	Free Float	Rem Dur
010	Preliminary work	03/Apr/06	03/Apr/06	03/Apr/06		25/Apr/06	25/Apr/06	25/Apr/06			0	0	17
015	Product design	26/Apr/06	26/Apr/06	26/Apr/06		25/May/06	25/May/06	25/May/06			0	0	22
020	Infrastructure	25/May/06	25/May/06	25/May/06		14/Jul/06	14/Jul/06	14/Jul/06			0	0	37
027	Prepare test plan	25/May/06	25/May/06	15/Sep/06		29/Jun/06	29/Jun/06	20/Oct/06			81	81	26
028	Test methodology workshop	25/May/06	25/May/06	15/Sep/06		26/May/06	26/May/06	18/Sep/06			81	0	2
029	Testing methodology selection	29/May/06	29/May/06	19/Sep/06		30/May/06	30/May/06	20/Sep/06			81	0	2
030	Design test environment	31/May/06	31/May/06	21/Sep/06		08/Jun/06	08/Jun/06	29/Sep/06			81	0	7
031	QA and communication proces	09/Jun/06	09/Jun/06	02/Oct/06		29/Jun/06	29/Jun/06	20/Oct/06			81	81	15
032	GUI design	17/Jul/06	17/Jul/06	07/Aug/06		17/Nov/06	17/Nov/06	08/Dec/06			15	15	90
037	Application design	17/Jul/06	17/Jul/06	17/Jul/06		01/Dec/06	01/Dec/06	01/Dec/06			0	0	100
042	Database selection and design	17/Jul/06	17/Jul/06	14/Aug/06		10/Nov/06	10/Nov/06	08/Dec/06			20	20	85
046	Testing procedures	23/Oct/06	23/Oct/06	23/Oct/06		08/Dec/06	08/Dec/06	08/Dec/06			0	0	35
052	Design Complete	04/Dec/06	04/Dec/06	11/Dec/06							5	5	0
053	Prototype	11/Dec/06	11/Dec/06	11/Dec/06		02/Feb/07	02/Feb/07	02/Feb/07			0	0	40
054	Product design complete	05/Feb/07	05/Feb/07	05/Feb/07							0	0	0
055	Build	05/Feb/07	05/Feb/07	05/Feb/07		22/Jun/07	22/Jun/07	22/Jun/07			0	0	100
056	Testing	19/Feb/07	19/Feb/07	19/Feb/07		06/Jul/07	06/Jul/07	06/Jul/07			0	0	100
057	Bug fixing	05/Mar/07	05/Mar/07	05/Mar/07		20/Jul/07	20/Jul/07	20/Jul/07			0	0	100
058	Document	26/Feb/07	07/May/07	14/May/07		13/Jul/07	13/Jul/07	20/Jul/07			5	5	50
059	Final test and fix	23/Jul/07	23/Jul/07	23/Jul/07		03/Aug/07	03/Aug/07	03/Aug/07			0	0	10
060	Final release procedure	06/Aug/07	06/Aug/07	06/Aug/07		14/Aug/07	14/Aug/07	14/Aug/07			0	0	7
061	Project completion					14/Aug/07	14/Aug/07	14/Aug/07			0	0	0
062	Insurance	03/Apr/06	03/Apr/06	08/Aug/07		07/Apr/06	07/Apr/06	14/Aug/07			352	352	5

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Dates View
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Deterministic Data

Duration Uncertainty Inputs

Duration risk input
Page 1 of 1

Software Development									
Name	Description	BCWS	BCWP	ACWP	Scheduled Variance	Cost Variance	Total Costs	Budget Costs	Total Cost Variance
010	Preliminary work	£0.00	£0.00	£0.00	£0.00	£0.00	£940.50	£0.00	(£940.50)
015	Product design	£0.00	£0.00	£0.00	£0.00	£0.00	£5,319.00	£0.00	(£5,319.00)
020	Infrastructure	£0.00	£0.00	£0.00	£0.00	£0.00	£18,512.00	£0.00	(£18,512.00)
027	Prepare test plan	£0.00	£0.00	£0.00	£0.00	£0.00	£7,280.00	£0.00	(£7,280.00)
028	Test methodology workshop	£0.00	£0.00	£0.00	£0.00	£0.00	£560.00	£0.00	(£560.00)
029	Testing methodology selection	£0.00	£0.00	£0.00	£0.00	£0.00	£560.00	£0.00	(£560.00)
030	Design test environment	£0.00	£0.00	£0.00	£0.00	£0.00	£1,960.00	£0.00	(£1,960.00)
031	QA and communication processes	£0.00	£0.00	£0.00	£0.00	£0.00	£4,200.00	£0.00	(£4,200.00)
032	GUI design	£0.00	£0.00	£0.00	£0.00	£0.00	£14,080.00	£0.00	(£14,080.00)
037	Application design	£0.00	£0.00	£0.00	£0.00	£0.00	£31,204.00	£0.00	(£31,204.00)
042	Database selection and design	£0.00	£0.00	£0.00	£0.00	£0.00	£13,020.00	£0.00	(£13,020.00)
046	Testing procedures	£0.00	£0.00	£0.00	£0.00	£0.00	£22,440.00	£0.00	(£22,440.00)
052	Design Complete	£0.00	£0.00	£0.00	£0.00	£0.00	£760.00	£0.00	(£760.00)
053	Prototype	£0.00	£0.00	£0.00	£0.00	£0.00	£880.00	£0.00	(£880.00)
054	Product design complete	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
055	Build	£0.00	£0.00	£0.00	£0.00	£0.00	£2,000.00	£0.00	(£2,000.00)
056	Testing	£0.00	£0.00	£0.00	£0.00	£0.00	£2,400.00	£0.00	(£2,400.00)
057	Bug fixing	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
058	Document	£0.00	£0.00	£0.00	£0.00	£0.00	£800.00	£0.00	(£800.00)
059	Final test and fix	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
060	Final release procedure	£0.00	£0.00	£0.00	£0.00	£0.00	£56.00	£0.00	(£56.00)
061	Project completion	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
062	Insurance	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
TOTALS		£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00

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Deterministic Earned Value data

Software Development									
Name	Description	Rem Dur	Task Type	Succeeding Tasks	Resources	W.B.S.	Task Calendar		
010	Preliminary work	17	summary				Project		
015	Product design	22	summary				Project		
020	Infrastructure	37	summary				Project		
027	Prepare test plan	26	summary				Project		
028	Test methodology workshop	2	normal	029	LABN[280]		DEVICAL		
029	Testing methodology selection	2	normal	030	LABN[280]		DEVICAL		
030	Design test environment	7	normal	031	LABN[280]		DEVICAL		
031	QA and communication processes	15	normal	047	LABN[280]		DEVICAL		
032	GUI design	90	summary				Project		
037	Application design	100	summary				Project		
042	Database selection and design	85	summary				Project		
046	Testing procedures	35	summary				Project		
052	Design Complete	0	start milestone	053	LABN[760]		DEVICAL		
053	Prototype	40	normal	054	LABN[22]		Project		
054	Product design complete	0	start milestone	055			Project		
055	Build	100	normal	056[ss,10],056[ff,10]	LABN[20]		DEVICAL		
056	Testing	100	normal	058[ff,5],058[ss,5],057	LABN[24]		DEVICAL		
057	Bug fixing	100	normal	059			DEVICAL		
058	Document	50	normal	059	LABN[460]		DEVICAL		
059	Final test and fix	50	normal				DEVICAL		
060	Final release procedure	50	normal				DEVICAL		
061	Project completion	50	normal				DEVICAL		
062	Insurance	50	normal				DEVICAL		

Input View
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Deterministic Input data

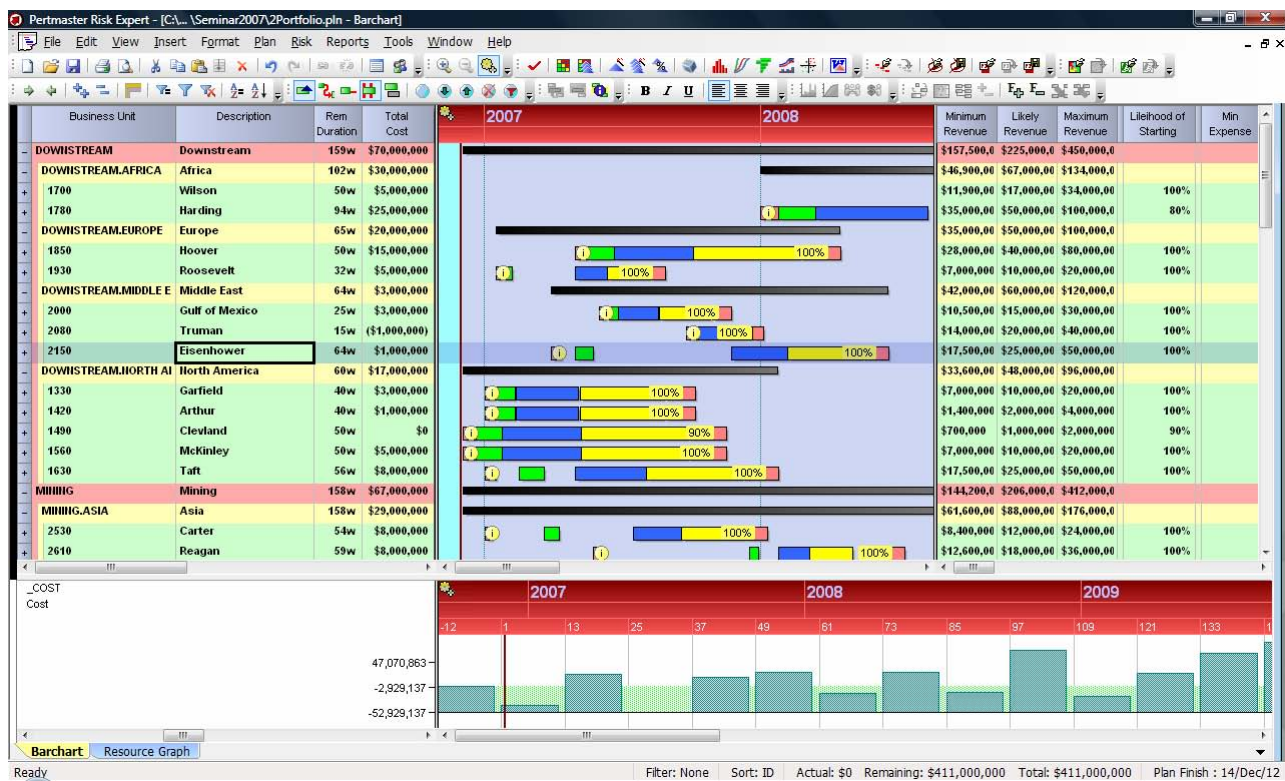
Software Development									
Name	Description	Preferred Start	Target Start	Preferred Finish	Target Finish	2006	2007	% Complete	Slip
010	Preliminary work	03/Apr/06	03/Apr/06	25/Apr/06	25/Apr/06			100%	0
015	Product design	26/Apr/06	26/Apr/06	24/May/06	24/May/06			100%	0
020	Infrastructure	25/May/06	25/May/06	14/Jul/06	14/Jul/06			100%	0
027	Prepare test plan	25/May/06	25/May/06	15/Jun/06	29/Jun/06			100%	-10
032	GUI design	03/Jul/06	17/Jul/06	01/Dec/06	17/Nov/06			27%	10
033	Dialogs	03/Jul/06	17/Jul/06	29/Sep/06	15/Sep/06			53%	10
034	Menu structure	02/Oct/06	18/Sep/06	03/Nov/06	20/Oct/06			0%	10
035	Online help	06/Nov/06	23/Oct/06	01/Dec/06	17/Nov/06			0%	10
036	Graphics	02/Oct/06	18/Sep/06	27/Oct/06	13/Oct/06			0%	10
037	Application design	17/Jul/06	17/Jul/06	29/Dec/06	01/Dec/06			14%	20
042	Database selection and design	17/Jul/06	17/Jul/06	18/Dec/06	10/Nov/06			9%	26
046	Testing procedures	20/Nov/06	23/Oct/06	05/Jan/07	08/Dec/06			0%	20
052	Design Complete	01/Jan/07	04/Dec/06					0%	20
053	Prototype	08/Jan/07	11/Dec/06	02/Mar/07	02/Feb/07			0%	20
054	Product design complete	05/Mar/07	05/Feb/07					0%	20
055	Build	05/Mar/07	05/Feb/07	20/Jul/07	22/Jun/07			0%	20
056	Testing	19/Mar/07	19/Feb/07	03/Aug/07	06/Jul/07			0%	20
057	Bug fixing	02/Apr/07	05/Mar/07	17/Aug/07	20/Jul/07			0%	20
058	Document	04/Jun/07	07/May/07	10/Aug/07	13/Jul/07			0%	20
059	Final test and fix	20/Aug/07	23/Jul/07	31/Aug/07	03/Aug/07			0%	20
060	Final release procedure	03/Sep/07	06/Aug/07	11/Sep/07	14/Aug/07			0%	20
061	Project completion			11/Sep/07	14/Aug/07			0%	20
062	Insurance	03/Apr/06	03/Apr/06	07/Apr/06	07/Apr/06			100%	0

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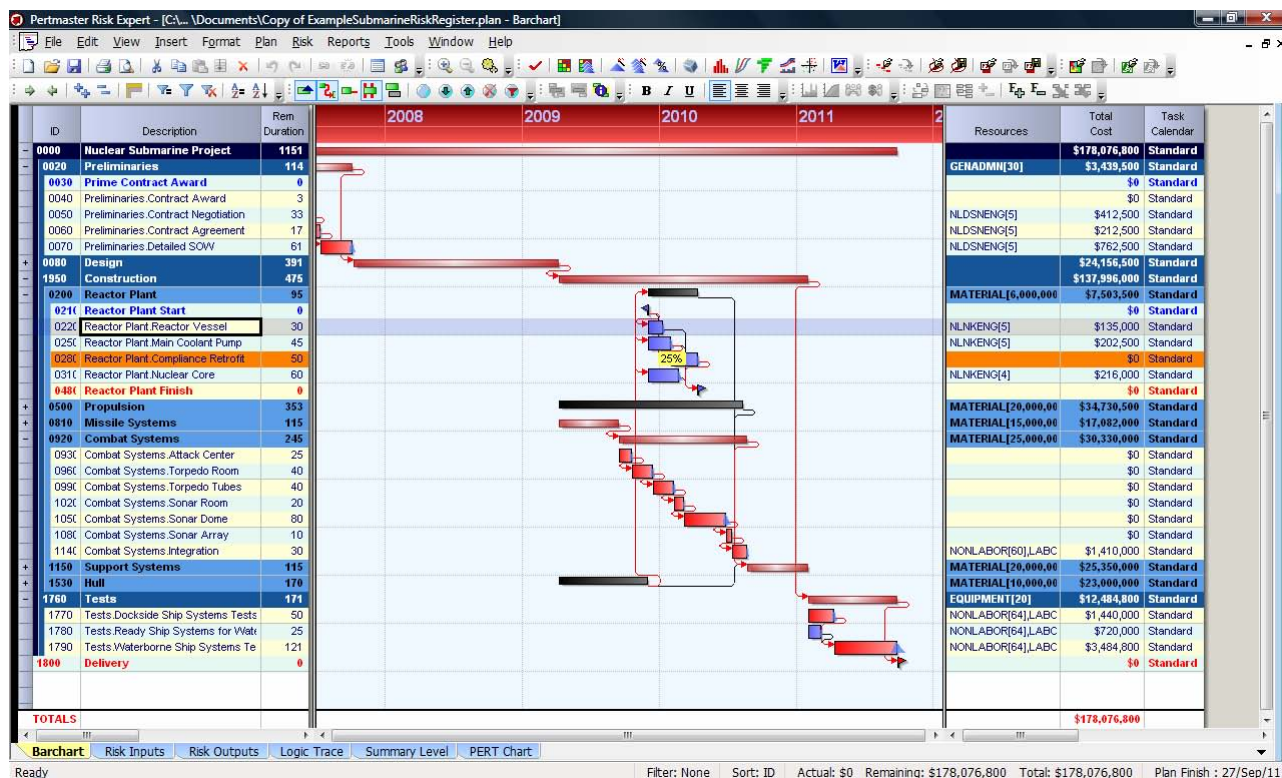
Report printed on: 19/Oct/05

Target: Expected
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Deterministic Planned versus Target



Portfolio Plan



Project Plan