ENGINUITY TUTORIAL



Job Details

Copyright Virtual Management Simulations



🎲 Job 74	(At the procurement stag	je)
	Period identified:	4
	Country:	France
	Location:	Paris
	Туре:	Design & Build
	BIM model used:	Yes
	Size:	Medium
	Approx value:	10,000,000
	Duration:	3 periods
	Description:	New shooting range in Le Bourget commune
	Sector:	Building & Commercial
	Client	Paris Olumnic Groun Contreraits

JOB NUMBER

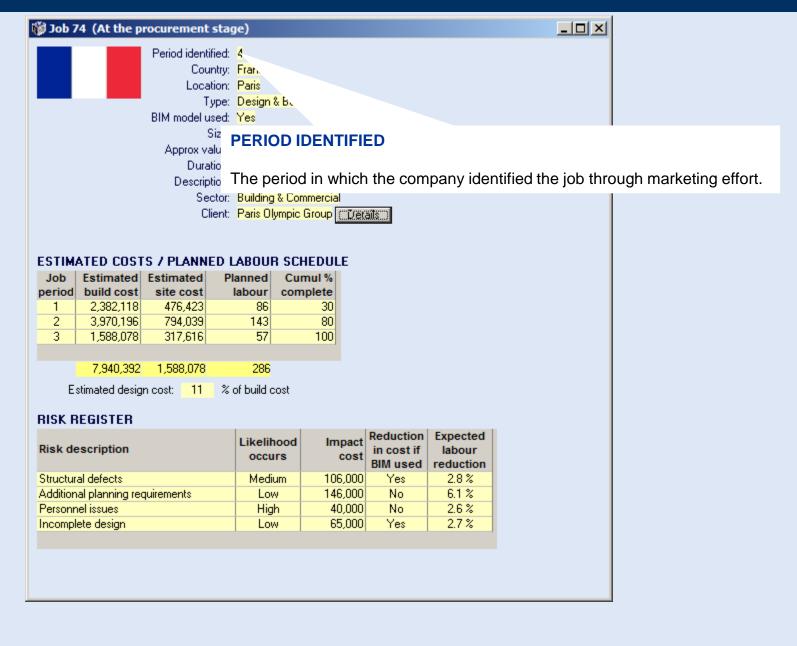
A unique number that identifies a job, ranging from 1 (earliest jobs) onwards.

period	build cost	site	cost	labour	complete
1	2,382,118	476	6,423	86	30
2	3,970,196	794	,039	143	80
3	1,588,078	317	,616	57	100
	7,940,392	1,588	3,078 <mark>-</mark>	286	
E	stimated desig	n cost:	11	% of build o	cost

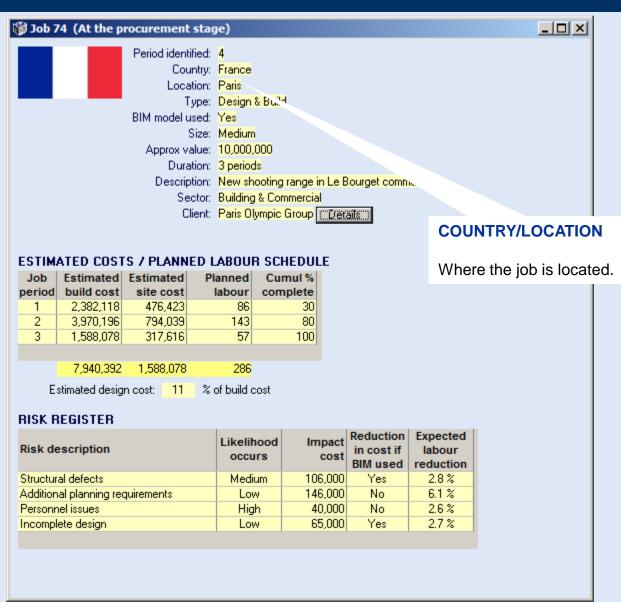
RISK REGISTER

Risk description	Likelihood occurs	Impact cost	ID COST IT	Expected labour reduction
Structural defects	Medium	106,000	Yes	2.8 %
Additional planning requirements	Low	146,000	No	6.1 %
Personnel issues	High	40,000	No	2.6 %
Incomplete design	Low	65,000	Yes	2.7 %











👹 Job 74 (At the procurement s	age)	
Period identifie Count Locatio	d: <mark>4</mark> y: France n: Paris e: Design & Build	

TYPE

There are two types of job :-

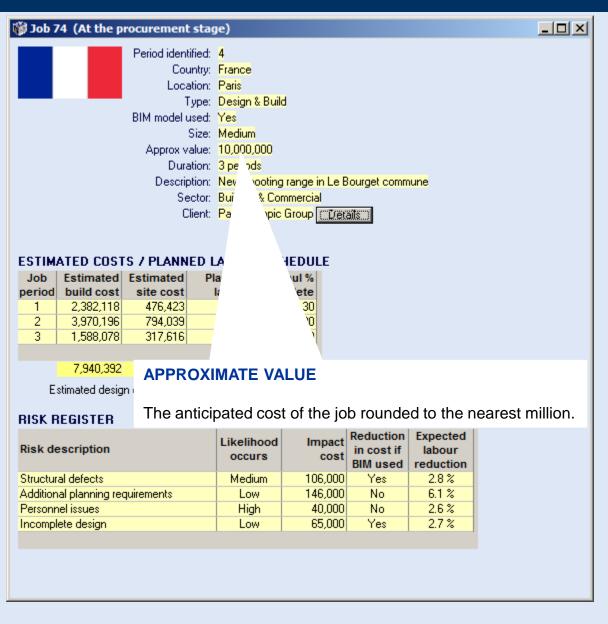
- BO (Build Only); traditional type of job where the client is responsible for the design, if appropriate, and the contractor is only responsible for the build.
- DB (Design and Build); the contractor has responsibility for both the design and the build.

Estimated design cost: 11 %				
	of build cost			
RISK REGISTER				
Risk description	Likelihood occurs	Impact cost	Reduction in cost if BIM used	Expected labour reduction
Structural defects	Medium	106,000	Yes	2.8 %
Additional planning requirements	Low	146,000	No	6.1 %
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🎲 Job 7	74 (At the p	rocurement	stage)					
		Local T) BIM model u: S Approx va Dural Descript Sec	ntry: France tion: Paris ype: Design & Buil	rne in Le E	Bourget comm	nune		
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Job	Estimated		Planne	-				
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2	3,970,196	794,039	1,		•	• •	roximate value :-	
3	1,588,078	317,616	<mark> </mark>	nall (range	e 1-6 mill	ion)		
-	.,,		• Me	dium (rai	nge 7-13	million)		
	7,940,392	1,588,078	² ■Lai	r ge (rang	e 14-25 r	nillion)		
E	stimated desig	n cost: 11	% of build cost	U ()		,		
_								
RISK R	REGISTER							
Risk de	escription		Likelihood occurs	Impact cost	Reduction in cost if BIM used	Expected labour reduction		
Structur	al defects		Medium	106,000		2.8 %		
	al planning red	quirements	Low	146,000		6.1 %		
	nel issues		High	40,000		2.6 %		
Incompl	lete design		Low	65,000	Yes	2.7 %		

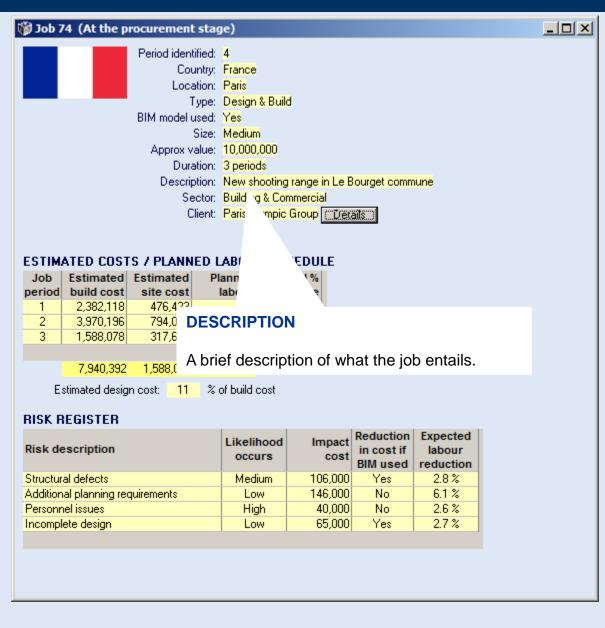






🖗 Job 7	74 (At the p	rocurement	stage)						
۲ dol ه	4 (At the p	Period ident Cou Loca T BIM model u Approx v Dura Descrip Se	ified: 4 intry: France ation: Paris ype: Design used: Yes Size: Mediur alue: 10,000 ation: 3 perio	n),000 ds hooting 9 ~~	d g range in Le E mmercial		nune		
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period		site cost	labour		mui %				
1	2,382,118	476,423	86		URATIO	M			
2	3,970,196	794,039	143		URAIIO				
3	1,588,078	317,616	57						
3	1,000,070	517,010	57	Т	he planne	ed duratio	on of the i	ob, from 2 to 5 p	eriods.
	7,940,392	1,588,078	286		•			· ·	
E	stimated desig	n cost: 11	% of build	cost					
RISK R	REGISTER								
Risk de	escription		Likeli		Impact cost	Reduction in cost if BIM used	labour		
Structur	al defects		Med	lium	106,000	Yes	2.8 %		
Addition	al planning rec	quirements	Lo	W	146,000	No	6.1 %		
	nel issues	•	Hi	gh	40,000	No	2.6 %		
Incompl	ete design		Lo	-	65,000		2.7 %		
	_								







🗊 Job 7	74 (At the p	rocurement st	age)				_ 🗆 ×
сстім		Location Type BIM model used Size Approx value Duration Description Secto	r: France n: Paris e: Design & Bui d: Yes e: Medium e: 10,000,000 n: 3 periods n: New shooting r: Building & Co t: Paris Numpio	<mark>g range in Le</mark> E ommercial	-	nune	
Job period		Estimated site cost	SECTOR				
1	2,382,118						
2	3,970,196		Each job	falls into c	one of 5 s	sectors :-	
3	1,588,078	317,616	 Industria 				
	7,940,392	1,588,078	•	and Com	merciai		
E	stimated desig	n cost: 11	 Transpo 	ort			
			Energy				
RISK F	REGISTER		Water a	nd Sewag	е		
Diele de	ecription		Likelihood	Impact	in cost if	labour	
KISK U	escription		occurs	cost	in cost if BIM used	labour reduction	
Structur	al defects		Medium	106,000	Yes	2.8 %	
Addition	al planning re	quirements	Low	146,000	No	6.1 %	
	nel issues		High	40,000	No	2.6 %	
Incompl	lete design		Low	65,000	Yes	2.7 %	





CLIENT

The public or private-sector organisation for whom the job is being carried out.

Risk description	Likelihood occurs	Impact cost	Reduction in cost if BIM used	labour
Structural defects	Medium	106,000	Yes	2.8 %
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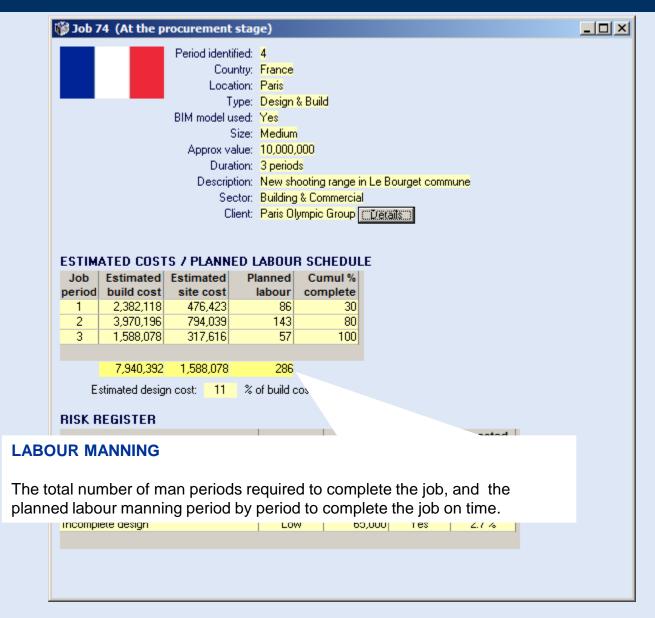


BIM

Indication of whether or not BIM (Building Information Modelling) is being used for the job.

1 2,382,118 476,423 86 30 2 3,970,196 794,039 143 80 3 1,588,078 317,616 57 100 7,940,392 1,588,078 286 Estimated design cost: 11 % of build cost RISK REGISTER Risk description Likelihood occurs Impact cost if BIM used Expecte labour reduction Structural defects Medium 106,000 Yes 2.8 %	Job	Estimated			Planned				
2 3,970,196 794,039 143 80 3 1,588,078 317,616 57 100 7,940,392 1,588,078 286 Estimated design cost: 11 % of build cost RISK REGISTER Risk description Likelihood occurs Impact cost if BIM used Expecter labour reduction Structural defects Medium 106,000 Yes 2.8 %	period	build cost	site o	ost	labour	complete			
3 1,588,078 317,616 57 100 7,940,392 1,588,078 286 Estimated design cost: 11 % of build cost RISK REGISTER Risk description Likelihood occurs Impact cost if BIM used Reduction in cost if BIM used Expecter labour reduction Structural defects Medium 106,000 Yes 2.8 %		2,382,118	476	,423	86	30			
7,940,392 1,588,078 286 Estimated design cost: 11 % of build cost RISK REGISTER Likelihood occurs Impact cost if labour reduction Risk description Likelihood occurs Cost if BIM used Structural defects Medium 106,000 Yes 2.8 %	2	3,970,196	794	,039	143	80			
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Likelihood occurs Impact cost Reduction Expecte labour Structural defects Medium 106,000 Yes 2.8 %		7,940,392	1,588	8,078	286				
Risk description Likelihood occurs cost in cost if BIM used reduction Structural defects Medium 106,000 Yes 2.8 %	E	stimated desig	n oost:	11	المانية الم				
Likelihood occurs Impact cost Reduction Expecte labour Risk description Medium 106,000 Yes 2.8 %	L	stimated desig	n cost.		78 OF Dulla (5030			
Risk description Likelihood occurs Impact cost in cost if BIM used labour reduction Structural defects Medium 106,000 Yes 2.8 %	RISK F	EGISTER							
	Risk de	escription					cost in	cost if	Expected labour reduction
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Additional planning requirements Low 146,000 No 6.1 %		al defects			Meu	uni ji io	5,000		
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	🎲 Job 7	74 (At the p	rocurement stag	ge)				
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	ESTIM	ATED COST	S / PLANNED I	ABOUR SC	HEDULE			
	Job period 1				umul % mplete 30			
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Possible	proble	ms that m	nay occur dur	ina the pi	oaressior	n of the io	b.	
1 0001010				of build cost	egreeter			
	BISK B	EGISTER						
		escription		Likelihood occurs	Impact cost	Reduction in cost if BIM used	Expected labour reduction	
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		al planning re	quirements	Low	146,000		6.1 %	
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