# ENGINUITY TUTORIAL



**Choosing A Consultant Designer** 



One of the key decisions when bidding for a design & build job is the choice of the consultant to produce the design.

#### But why is the decision so important?

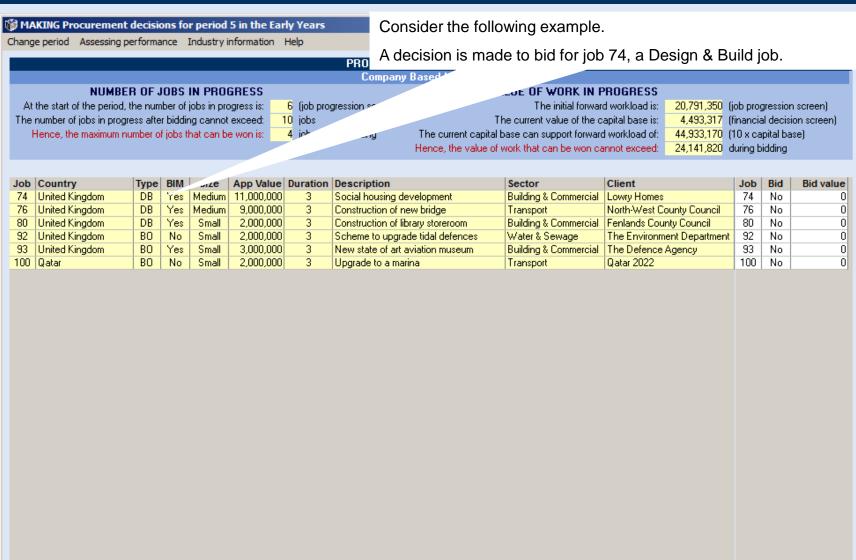
The choice of consultant can have a significant impact on the build costs. Consultants with appropriate expertise and BIM experience produce designs that reduce the expected build cost when a job is progressed, which improves the profit margin on the job.

There are a number of consultants available, and there is **no restriction** on the number of design & build jobs a particular consultant can work on at any one time, but finding the most suitable consultant is not always easy.



Display details for job 74

#### Choosing A Consultant Designer



Yes

Display client details



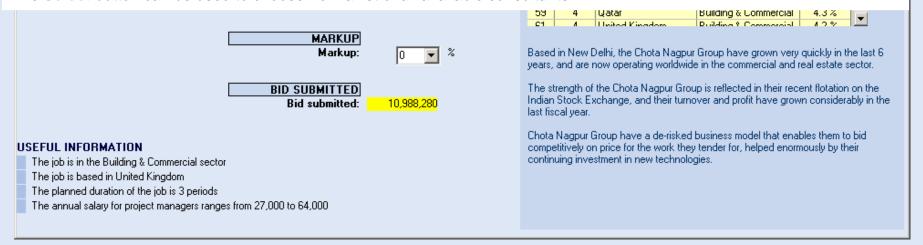


A consultant needs to be allocated to produce the design who has **appropriate expertise** for the job.

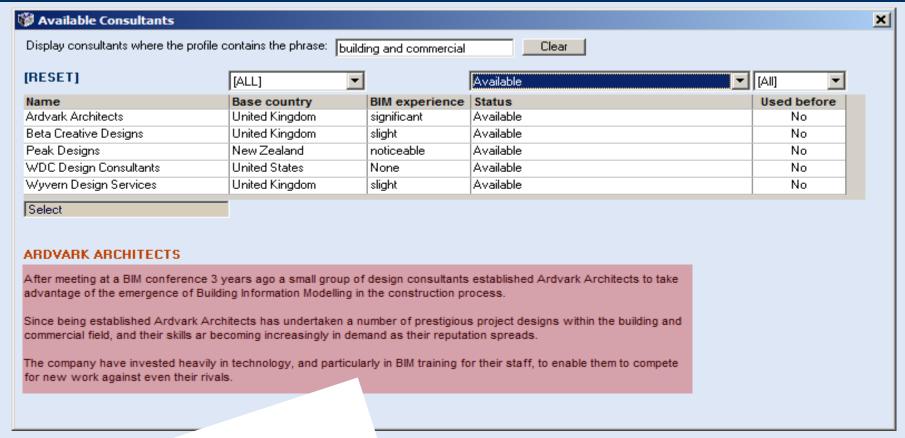
In addition, if the job is using BIM, or Building Information Modelling, the client may impose a bidding restriction that requires the consultant to have some BIM experience, in addition to expertise in the job sector. This is indicated by the "BIM experience required" note.

In this case, for job 74, a BIM model is being used, and the CLIENT RESTRICTIONS indicate that a consultant with BIM experience needs to be chosen for the design.

The Select button can be used to choose from a list of all available consultants.





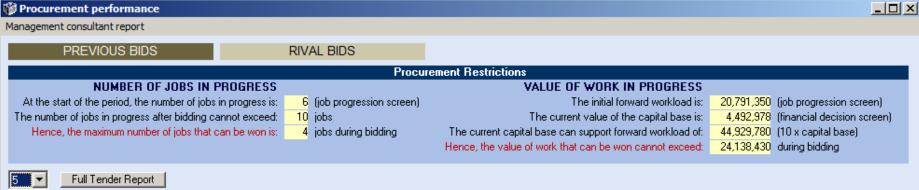


An appropriate consultant for the job can be found by reviewing the profiles of each consultant, and matching the consultant's **expertise to the job sector**.

The choice of consultant can have a significant impact on the build costs. Consultants with appropriate expertise and BIM experience (if a BIM model is being used), produce designs that reduce the expected build cost.

For job 74, a building and commercial contract, **Ardvark Architects** have been chosen due to their expertise in the building and commercial sector, as indicated by their profile, and their significant BIM experience.





	Job details						Bid details					
Period	Job	Country	Туре	ВІМ	Sector	Client	Bid submitted	Won	Com	ment	Cumulative forward workload	
5	74	United Kingdom	DB	Yes	Building & Commercial	Lowry Homes	11,663,340	No	Cons	ultant does not have enough expertise	20,791,350	
5	76	United Kingdom	DB	Yes	Transport	North-West County Council	9,095,995	No	Bir	oo high	20,791,350	
5	80	United Kingdom	DB	Yes	Building & Commercial	Fenlands County Council	2,648,398	No	-	o high	20,791,350	
5	93	United Kingdom	BO	Yes	Building & Commercial	The Defence Agency	3,634,361	Yer		on price	24,425,710	
5	100	Qatar	BO	No	Transport	Qatar 2022	2,401,531	•		o high	24,425,710	

Display details for job 74 Tender report for job 74

A bid will be rejected by the client if the consultant allocated for a Design and Build (DB) job does not have suitable expertise for the job.



Gradings												
				Job det	ails		Factors affecting build costs					
Name	Base	Job	Country	Status	Sector	BIM being used	Expertise in sector	BIM experience	Location	% change so far		
Ardvark Architects	UK	74	United Kingdom	Completed	Building & Commercial	Yes	noticeably reduces	significantly reduces	has no affect on	-0.88 %		
Queensland Associates	AUS	140	United Kingdom	1st period	Building & Commercial	Yes	noticeably reduces	significantly reduces	slightly increases			
The PW Partnership	UK	19	United Kingdom	Completed	Energy	Yes	noticeably reduces	noticeably reduces	has no affect	-0.7 %		
		30	United Kingdom	Completed	Building & Commercial	Yes	noticeably reduces	noticeably reduces	has no aff	-0.69 %		
		80	United Kingdom	Completed	Building & Commercial	Yes	noticeably reduces	noticeably reduces	has no	-0.7 %		
		108	United Kingdom	2nd period	Building & Commercial	Yes	noticeably reduces	noticeably reduces	har	-0.69 %		
								-				

#### ARDVARK ARCHITECTS

Profile: After meeting at a BIM conference 3 years ago a small group of design consultants established Ardvark Architects to take advantage of the emergence of Building Information Modelling in the construction process.

Since being established Ardvark Architects has undertaken a number of prestigious project designs within the building and commercial field, and their skills are becoming increasingly in demand as their reputation spreads.

The company have invested heavily in technology, and particularly in BIM training for their staff, to enable them to compete new work against even their rivals.

BIM exper



If job 74 is secured, and then progressed, we can use the **Consultant history** option to determine if our choice of Ardvark Architects is justified.

Clearly we made the right choice as Ardvark Architects expertise in the building & commercial sector, and BIM experience, has helped to reduce build costs by 0.88%, a significant saving.

#### **KEY POINTS**

If the design consultant is not based in same country as the job, this can impact upon the quality of the design, and increase build costs. However, location is a small factor compared to the positive affects of sector expertise and BIM experience.