ENGINUITY TUTORIAL



Forward Workload And Margin



The **forward workload** (or potential turnover) of the company is the remaining value (monies) to be recovered from all the jobs in progress.

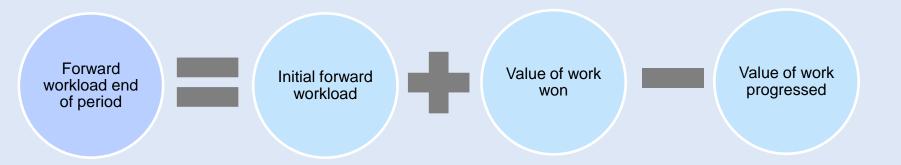
The **forward margin** is the anticipated remaining profit on all jobs in progress.

Both are calculated at the end of a period, after all the company's decisions have been processed for the period.



The forward workload at the end of a period is based upon :-

- The initial forward workload at the start of the period
- The value of work won in the period during the bidding process
- The value of work progressed from jobs in progress





🍘 Financial Performance

Navigate to "Main menu/Measuring performance/Assessing performance/Financial analysis"

Management consultants report Graphical analysis

OPERATIONAL

SHAREHOLDERS

INVESTMENTS

Summary Assets and liabilities

		Job performance				Company performance				Shareholders			Future o	outlook
Per Status	us Year/qtr	Total value	Total cost	Gross profit	GP % cost	Overhead costs	OVH % of cost	Net operating profit	NOP % cost	Share price	Dividend % cost	Company value	Forward workload	Forward margin
1 History	ry 2023 (Q1)	0	0	0		34,080		-30,580		0.93		4,844,420	0	0
2 History	ry 2023 (Q2)	0	0	0		84,000		-80,522		1.06		4,646,054	21,681,700	937,916
3 History	ry 2023 (Q3)	7,880,711	7,402,859	477,852	6.5 %	169,720	2.3 %	237,934	3.2 %	1.05	1.4 %	4,754,218	20,973,480	903,198
4 History	ry 2023 (Q4)	12,720,600	12,293,440	427,161	3.5 %	155,000	1.3 %	213,947	1.7 %	1.04	0.9 %	4,852,965	20,831,500	905,458
5 Early Ye	Years 2024 (Q1)	13,025,620	12,384,630	640,992	5.2 %	231,070	1.9 %	314,339	2.5 %	1.10	0.8 %	5,050,498	19,539,940	853,289
6 Early Ye	Years 2024 (Q2)	9,640,023	8,925,667	714,356	8.0 %	309,010	3.5 %	312,912	3.5 %	1.28	1.8 %	5,181,108	31,411,770	1,343,681
7 Early Ye	Years 2024 (Q3)	14,262,650	13,523,850	738,800	5.5 %	236,670	1.8 %	391,899	2.9 %	1.38	1.4 %	5,365,893	33,817,530	1,399,489
8 Early Ye	Years 2024 (Q4)	20,819,720	19,725,490	1,094,224	5.5 %	247,720	1.3 %	656,926	3.3 %	1.53	0.7 %	5,865,802	30,317,150	1,170,757
7 Early Ye	Years 2024 (Q3)	14,262,650	13,523,850	738,800	5.5 %	236,670	1.8 %	391,899	2.9 %			5,365,893	33,817,530	İ

PERIOD 8

CLICK ON A LINE IN THE THE SUMMARY ABOVE TO SHOW THE PERIOD DETAILS

FUTURE OUTLOOK
Forward workload:

Forward margin

30,317,150 ?

1,170,757

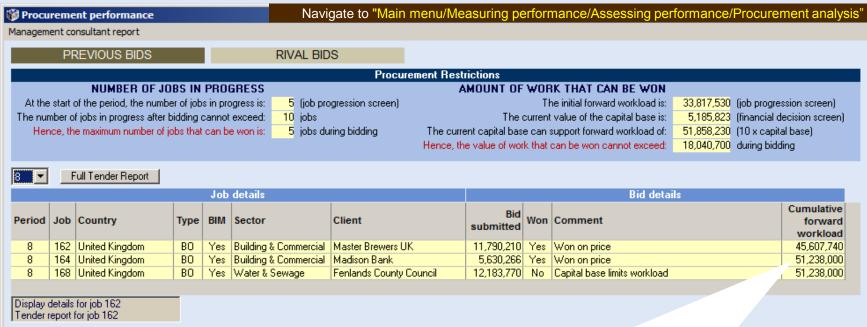
OB PERFORMANCE		CO	MPANY PERFORMANCE		
Measured value:	20,921,750	?	(less) Overheads:	247,720	[7] (1.3 % of job costs)
Early completion bonus:	58,168	?	Gross operating profit:	846,504	
(less) Retention held:	248,400	?	(less) Corporation tax:	185,534	?
Retention repaid:	88,201	?	(plus) Credit interest:	0	
Total value:	20,819,720		(less) Overdraft interest:	4,044	?
(less) Costs:	19,725,490	?	Net operating profit:	656,926	(3.3 % of job costs)
Gross profit:	1,094,224	(5.5 % of job costs)			

Consider the following example where the forward workload at the end of period 8 is 30,317,150.

This is calculated from:-

- The initial forward workload at the start of period 8, which is the forward workload at the end of period 7 i.e., 33,817,530
- The value of work won in period 8
- The value of work progressed in period 8



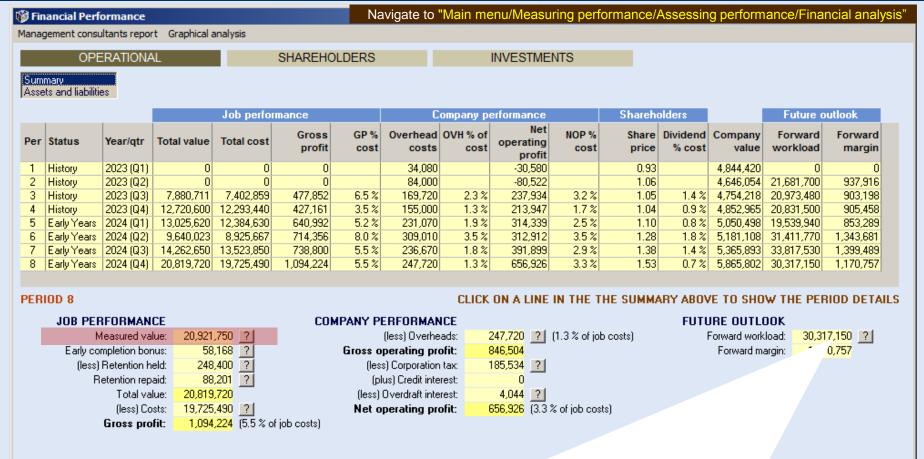


During period 8 the company won 2 new jobs :-

- Job 162 with a bid value of 11,790,210
- Job 164 with a bid value of 5,630,266

The value of work won (17,420,476) was added to the initial forward workload of 33,817,530 to give a cumulative forward workload of 51,238,000 after the bidding.





During period 8 the company's measured value from jobs progressed was 20,921,750. The actual value is very close to the measured value, but not necessarily the same if the measurement department is understaffed in the period.

The cumulative forward workload of 51,238,000 after the bidding is adjusted by taking off the actual value of work progressed in period 8 (20,920,850) to give the forward workload at the end of period 8 of 30,317,150.

The ? can be used to drill-down to job-level detail for both the forward workload and margin values.



Forward Workload and Margin Analysis for Period 8											
SUMMARY											
Initial forward workload prior to bidding:											
Value of work won during bidding:											
											51,238,000
							(less) va	alue of wor	k progressed	in the period:	20,920,850
											30,317,150
Lab	C	D	S-st	T	Cinn	Client	D:4	0/ 1-54	Forward	Remaining	Forward
Job	Country	Desc	Sector	Type	Size	Client	Bid	% left	workload	cost	margin
102	UK	2/3 bedroom retirement bungalows	Building & Commercial	DB	Medium	Lowry Homes	13,482,740	23.85 %	3,215,634	3,083,146	132,488
103	NZ	Water treatment plant modernisation	Water & Sewage	BO	Medium	ANZ Water	8,086,820		283,848	271,244	12,604
147	US	Modifications to the MetLife Stadium	Building & Commercial	BO	Medium	FIFA North America 2026	11,750,920		6,909,542	6,643,618	
151	AUS	New pumping station	Water & Sewage	BO	Small	Queensland Water	4,851,114	%	2,487,651	2,378,441	109,210
162	UK	New distribution facility	Building & Commercial	BO	Medium	Master Brewers UK	11,70	.0 %	11,790,210	11,367,540	422,663
164	UK	Upgrade of local branches	Building & Commercial	BO	Small	Madison Bank		.00 %	5,630,266	5,402,398	227,868
									30,317,150		1,170,757

The forward workload and margin values were formed from 6 jobs in progress.

Taking job 102 as an example :-

- 23.85% of the job was left to complete at the end of period 8, giving a remaining forward workload of 3,215,634 (23.85% of the bid value of 13,482,740)
- The forward margin figure comes from the forward workload less the remaining cost.

KEY POINTS

The remaining cost is based upon the anticipated **true cost** of the job, taking into account build cost, design cost, site cost, 'sensible' risk and project manager costs.





Assessing performance Help

KEY PERFORMANCE INDICATORS

PERFORMANCE SUMMARY

CLICK ON THE DATA IN A COLUMN TO SEE HOW THE SELECTED KEY PERFORMANCE INDICATOR WAS CALCULATED

End of period	Status	Year/qtr	Turnover	Gross profit to Turnover	Operating Profit to Turnover	Company Value	Capital Employed	Contract Completion	Forward Workload	Forward Margin	Share Price	Client Satisfaction	Total
4	History	2023 (Q4)	40	170	120	170	130	80	70	100	70	50	1,000
5	Early Years	2024 (Q1)	52	179	142	177	140	108	66	94	74	80	1,112
6	Early Years	2024 (Q2)	56	203	163	181	154	113	106	148	86	98	1,308
7	Early Years	2024 (Q3)	63	203	173	188	168	125	114	155	93	118	1,400
3	Early Years	2024 (Q4)	76	204	188	205	179	137	102	129	103	139	1,462

Forward workload and margin form two of the **key performance indicators of the company**, and indicate the potential future prosperity of the business.



