

Simple cost comparison automation

Surveying from MAP Software is an effective and ease-to-use add-on for our EST Software solutions. It allows users to accurately determine, with detailed report statistics, the cost of a manufactured job based on the original rates quoted at the estimation stage.

Surveying allows management to fully analyse the difference between their original estimation on a job against their true manufactured cost, helping adjust practices and remove inefficiencies.



Bill of Quantities 10/11/10 Page: 1
 Project: Airport Job: First Estimate Ref: Surveying Example
 From: MAP Software To: X.Y.Z. Contracting
 1-2 Metropolitan Business Park 123 Brown Street
 Preston New Road

Item	Description	Section	Mat'l	Gauge	Size	Qty/Len	Rate	Ext'n
1	Straight (Coil)	Supply	GALV	0.80	800x600	15.00(m)	46.13	691.88
2	90 Sq. Bend	Supply	GALV	0.80	800x600	4	46.75	187.01
3	Taper	Supply	GALV	0.80	800x600	1	33.04	33.04
4	45 Rad. Bend	Supply	GALV	0.80	800x600	2	28.98	57.95
5	Straight (Coil)	Supply	GALV	0.80	700x500	10.00(m)	39.62	396.21
6	Sq. to Round	Supply	GALV	0.80	700x500	1	33.10	33.10
7	Spiral Pipe	Supply	GALV	0.80	500	10.00(m)	34.98	349.83
8	Elbow-90	Supply	GALV	0.80	500	4	50.44	201.76
								1,950.77

Original EST Bill of Quantities

Surveying uses the original estimating takeoff and Bill of Quantities as a specification for the manufacturing file that is due to be imported for analysis.

If comparing the Approved Manufactured Drawing with the estimating Bill of Quantities it will be apparent if they differ. The approved parts list will be different to the original BOQ.

Surveying works through the imported (manufacturing) job based on duct size, materials and specifications.

- During conversion, if the item is matched exactly, the item rate from the original estimate will be used.
- For partial match (same type of fitting, different dimensions) the item is used but the rate is re-calculated based on sizes from the imported job.
- For non-matching items (do not exist in estimate) the item is created as completely new and will pick up overheads etc. from the original estimation job.
- For extra over calculations, the true straight lengths from the imported job are used.

Bill of Quantities 10/11/10 Page: 1
 Project: Airport Job: svy_FirstEst-ApprvdDwg Ref: Surveying Example
 From: MAP Software To: X.Y.Z. Contracting
 1-2 Metropolitan Business Park 123 Brown Street
 Preston New Road

Item	Description	Section	Mat'l	Gauge	Size	Qty/Len	Rate	Ext'n
1	Straight (Coil)	Supply	GALV	0.80	700x500	6.36(m)	39.62	251.81
2	Sq. to Round	Supply	GALV	0.80	700x500	1	33.10	33.10
3	90 Sq. Bend	Supply	GALV	0.80	700x500	1	39.83	39.83
4	Straight (Coil)	Supply	GALV	0.80	800x600	12.28(m)	46.13	566.61
5	Taper	Supply	GALV	0.80	800x600	1	33.04	33.04
6	45 Rad. Bend	Supply	GALV	0.80	800x600	4	28.98	115.90
7	90 Sq. Bend	Supply	GALV	0.80	800x600	2	46.75	93.51
8	Spiral Pipe	Supply	GALV	0.80	500	11.15(m)	34.98	390.02
9	Elbow-90	Supply	GALV	0.80	500	3	50.44	151.32
10	Elbow-45	Supply	GALV	0.80	500	2	34.39	68.78
								1,743.92

Surveying Result - new BOQ showing true cost of Job

Surveying provides a comprehensive conversion of the manufactured job into the estimation specification, detailing the exact cost, and therefore allowing management to verify the over- or under-estimate of the job.