

Eclipse

The complete cost control system

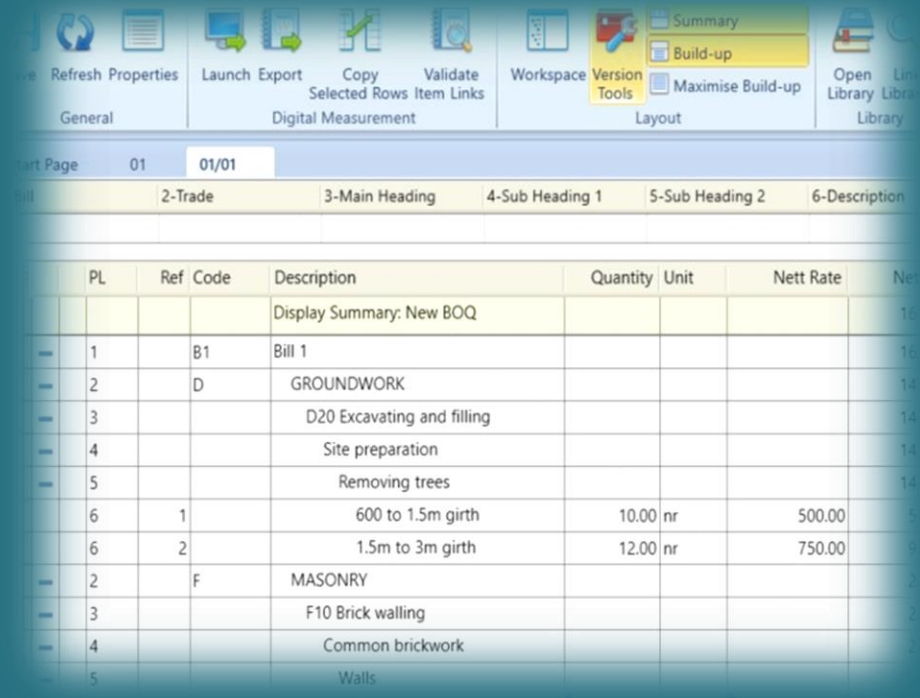
March 2024

Eclipse

- Eclipse is a modern and innovative database driven software application, that is cloud-ready and includes a suite of unique and superior features which significantly differentiates itself from other products.
- Designed for Estimators, Quantity Surveyors, Cost Engineers, Construction and Engineering Contractors, Sub-Contractors, Suppliers and other professionals to manage the simplest or the most sophisticated measurement, pricing, analysis, reporting and cost intelligence objectives.

Bill Production

- Generate Descriptions via Libraries, WBS, In-House Schemes and Model Bills.
- Copy and Paste Item Descriptions from previously completed projects.
- Manually enter Item Descriptions.
- Template driven for efficiency and consistency.
- Complete control over project structure.



The screenshot displays the Eclipse CS software interface. The top menu bar includes options like 'Refresh Properties', 'Launch Export', 'Copy', 'Validate', 'Workspace', 'Version Tools', 'Summary', 'Build-up', 'Maximise Build-up', 'Open Library', and 'Library'. Below the menu bar, there's a 'Start Page' section with '01' and '01/01'. The main table is a Bill of Materials (BOQ) with columns: 'PL', 'Ref Code', 'Description', 'Quantity', 'Unit', 'Nett Rate', and 'Nett'. The table contains several rows of data, including 'Display Summary: New BOQ', 'Bill 1', 'GROUNDWORK', 'D20 Excavating and filling', 'Site preparation', 'Removing trees', '600 to 1.5m girth', '1.5m to 3m girth', 'MASONRY', 'F10 Brick walling', 'Common brickwork', and 'Walls'.

PL	Ref Code	Description	Quantity	Unit	Nett Rate	Nett
		Display Summary: New BOQ				16
1	B1	Bill 1				16
2	D	GROUNDWORK				14
3		D20 Excavating and filling				14
4		Site preparation				14
5		Removing trees				14
6	1	600 to 1.5m girth	10.00	nr	500.00	5
6	2	1.5m to 3m girth	12.00	nr	750.00	9
2	F	MASONRY				2
3		F10 Brick walling				2
4		Common brickwork				2
5		Walls				2

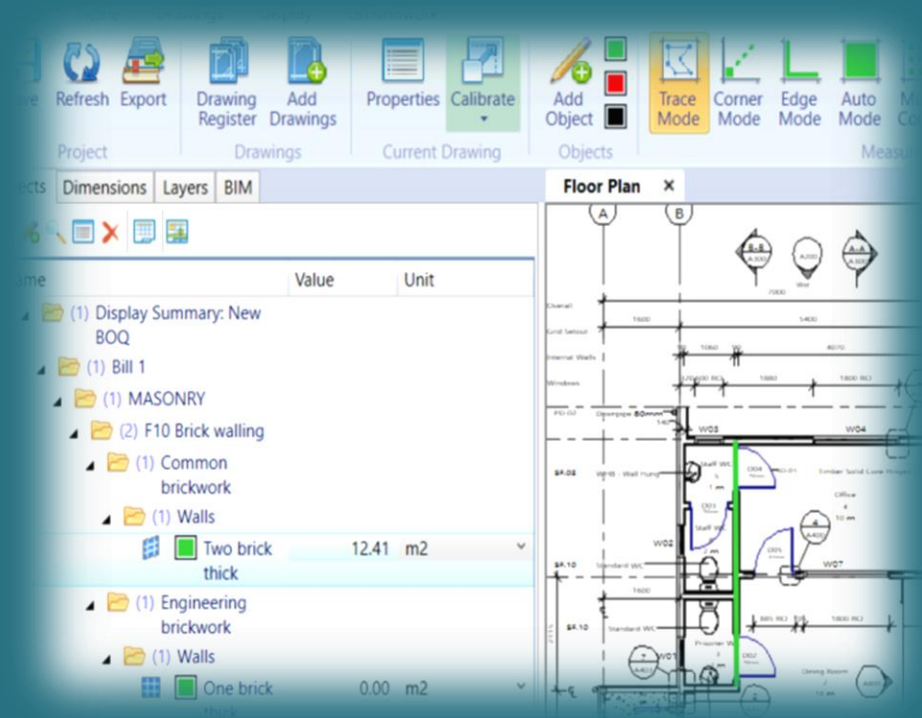
All-In-One Worksheet

#	Dim1	Dim2	Dim3	Times	Factor	Annotation	Full Res
1	10.00	2.70		1.00	1.00	Wall 1	27
2	12.00	2.70		1.00	1.00	Wall 2	32
3	15.50	2.70		2.00	1.00	Wall 3 & 4	83

- Item Descriptions, Dimension and Rate build-up on one sheet.
- Notes for team collaboration.
- Unpriced and Unmeasured Item checking.
- Formulas, Cell References and User-Defined Columns.
- Multiple projects open at the same time and view side-by-side.

Digital Measurement

- Direct Measurement from Objects to line Items.
- Measured Quantities live-linked to Bill Items for instant updating.
- Automatic Object creation via line items or templates.
- Multiple Quantities from a single measure.
- Calibration at any time.
- View 2D objects as 3D.
- Cross reference Quantities to drawings and Dimensions.
- BIM Schedules.



Rate Management

The screenshot displays the 'Rate Management' software interface. On the left, a sidebar shows a tree view of 'masonry Rates' with sub-items: '01 - Labour' (25.00 m2), '02 - Plant' (5.00 m2), and '03 - Materials' (15.00 m2). The main window shows a table of rates with columns: PL, Ref, Code, Description, Quantity, Unit, and Nett Rate. A summary row shows 'Display Summary: New BOQ'. Below this, a detailed breakdown is shown for a selected rate (Code 01, Description Labour, Unit m2, Quantity 1.00, Calc. Result 143.10, Purchase Rate 25.00, and a final rate of 3.57).

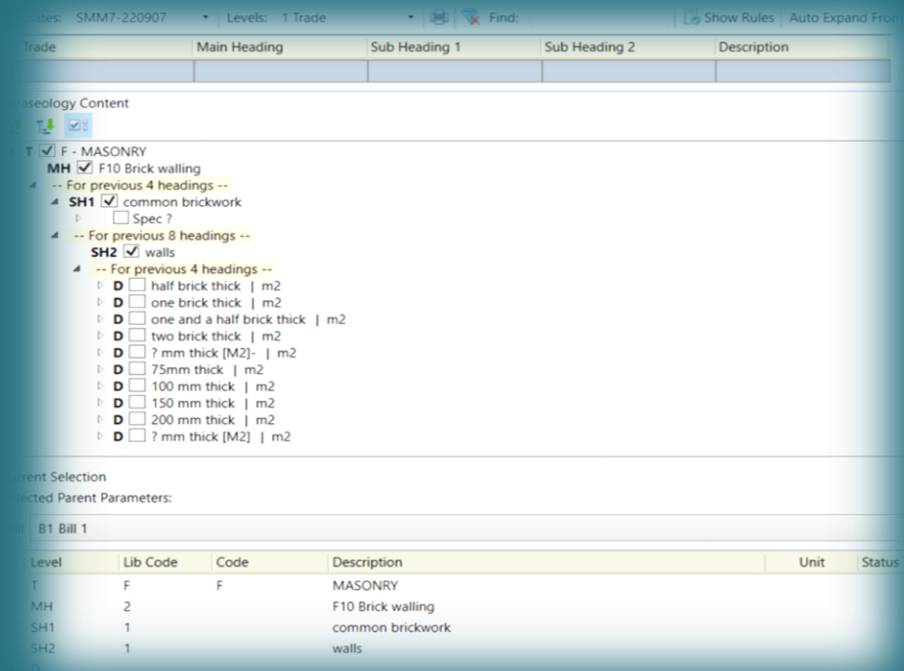
PL	Ref	Code	Description	Quantity	Unit	Nett Rate
			Display Summary: New BOQ			
1	B1		Bill 1			
2	F		MASONRY			
3			F10 Brick walling			
4			Common brickwork			
5			Walls			
6	1		Two brick thick	143.10	m2	45.00
4			Engineering brickwork			
5			Walls			
6	2		One brick thick	59.40	m2	

#	Code	Description	Unit	Calculation	Calc. Result	Purchase Rate	
1	01	Labour	m2	1.00	143.10	25.00	3.57
2	02	Plant	m2	1.00	143.10	5.00	7.15
3	03	Materials	m2	1.00	143.10	15.00	2.14

- Unlimited Rate Libraries.
- Standard Rates and Project Specific Rates.
- Composite Rates.
- Assembly Rates.
- Association with Resource and Budget Categories.
- Link Rates to selected Building Cost Indices.
- Bulk Rate adjustment by category.
- Supplier Rates comparison.

Library Description Builder

- Supports NRM2, SMM7, POMI, CESMM, MMHW, RMM and TII RMP Libraries of Descriptions.
- NRM1, MasterFormat and UniFormat elemental coding systems also supported.
- Supports In-House Phraseology.
- Provides efficient and user-friendly access via drag-drop.
- Achieves company wide standards.
- Amend Library Descriptions as-and-when required.



Templates

	PL	Ref	Code	Description	Quantity	Unit	Nett Rate	Nett Price
—	1		B1	<u>BILL 1</u>				
—	2		D	<u>GROUNDWORK</u>				
—	3			<u>D20 Excavating and filling</u>				
—	4			Site preparation				
—	5			Removing trees				
	6	1		600 to 1.5m girth		nr	500.00	
	6	2		1.5m to 3m girth		nr	750.00	
—	2		F	<u>MASONRY</u>				
—	3			<u>F10 Brick walling</u>				
—	4			Common brickwork				
—	5			Walls				
	6	3		Two brick thick		m2	45.00	
—	4			Engineering brickwork				
	5			Walls				

- Pre-define Templates with Items, Rates, Quantities and formatting.
- Store unlimited number of Templates.
- Ensure consistency and standardisation.
- Include data preferences such as Rounding and Filtering.
- Measurement objects and Report printing preferences maintained.

Reporting

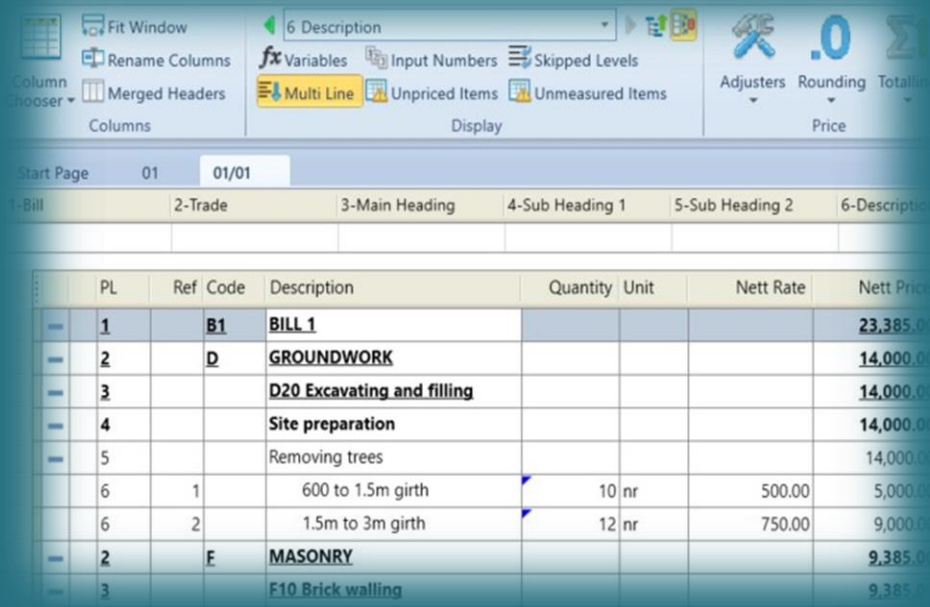
- Pre-defined Reports to enable company standardisation.
- Interactive Formatting customisation.
- What You See Is What You Get Reports.
- Bills of Quantities and high-quality Cost Plans printed to PDF and Microsoft Excel.
- Rich presentation options and special Report breakdowns.
- Template driven with live-linked data feeds.
- User oriented Report Designer.

Bills of Quantities
BILL 1



Ref	Description	Qty	Unit	Rate	Amount
GROUNDWORK					
D20 Excavating and filling					
Site preparation					
Removing trees					
A	600 to 1.5m girth	10	nr	500.00	5,000.00
B	1.5m to 3m girth	12	nr	750.00	9,000.00
MASONRY					
F10 Brick walling					
Common brickwork					
Walls					
C	Two brick thick	143	m2	45.00	6,435.00
Engineering brickwork					
Walls					
	One brick thick	50	m2	50.00	2,500.00

Eclipse Functions



The screenshot displays the Eclipse CS software interface. At the top, there is a menu bar with options like 'Fit Window', 'Rename Columns', 'Merged Headers', 'Columns', 'Variables', 'Input Numbers', 'Skipped Levels', 'Multi Line', 'Unpriced Items', 'Unmeasured Items', 'Adjusters', 'Rounding', and 'Totalling'. Below the menu bar, there is a table with columns: PL, Ref Code, Description, Quantity, Unit, Nett Rate, and Nett Price. The table contains several rows of data, including 'BILL 1', 'GROUNDWORK', 'D20 Excavating and filling', 'Site preparation', 'Removing trees', '600 to 1.5m girth', '1.5m to 3m girth', 'MASONRY', and 'F10 Brick walling'.

PL	Ref Code	Description	Quantity	Unit	Nett Rate	Nett Price
1	B1	BILL 1				23,385.00
2	D	GROUNDWORK				14,000.00
3		D20 Excavating and filling				14,000.00
4		Site preparation				14,000.00
5		Removing trees				14,000.00
6	1	600 to 1.5m girth	10	nr	500.00	5,000.00
6	2	1.5m to 3m girth	12	nr	750.00	9,000.00
2	F	MASONRY				9,385.00
3		F10 Brick walling				9,385.00

- Quantity and Rate Rounding.
- Totalling Up and Totalling Down.
- Mark-up Adjustments (Spread over Rates or a Lump Sum for Margin, Risk and Tax etc).
- Cash Flow.
- Groundworks.
- Integration with @RISK.
- Carbon estimation.
- Multi-Currency.
- Workflow.

Eclipse Functions

- Electronic Tender analysis module.
- Revision Control by Project Versions and Executive Quality Reports.
- Post-Contract module.
- Restructure Cost Plans based on Function, Element, Trade, Building, Level, or Joint-Venture Parties.
- Import documents from Excel.
- Export to Excel, CSV, PDF, RTF, TIFF, Plain Text and EBQ.

Function	Unit	Quantity	Rate	Amount	F1 Rate	F1 Total	F2 Rate	F2 Total	Selected Name	Selected Rate
Grand Total				\$23,385.00		\$26,290.00		\$25,899.00	Tenderer 2	
Bill 1				\$23,385.00		\$26,290.00		\$25,899.00	Tenderer 2	
GROUNDWORK				\$14,000.00		\$15,600.00		\$15,200.00	Tenderer 2	
D20 Excavating and filling				\$14,000.00		\$15,600.00		\$15,200.00	Tenderer 2	
Site preparation				\$14,000.00		\$15,600.00		\$15,200.00	Tenderer 2	
Removing trees				\$14,000.00		\$15,600.00		\$15,200.00	Tenderer 2	
600 to 1.5m girth	nr	10	500	\$5,000.00	\$600.00	\$6,000.00	\$620.00	\$6,200.00	Tenderer 2	\$620.00
1.5m to 3m girth	nr	12	750	\$9,000.00	\$800.00	\$9,600.00	\$750.00	\$9,000.00	Tenderer 2	\$750.00
MASONRY				\$9,385.00		\$10,690.00		\$10,699.00	Tenderer 2	
F10 Brick walling				\$9,385.00		\$10,690.00		\$10,699.00	Tenderer 2	
Common brickwork				\$6,435.00		\$7,150.00		\$6,864.00	Tenderer 2	
Walls				\$6,435.00		\$7,150.00		\$6,864.00	Tenderer 2	
Two brick thick	m2	143	45	\$6,435.00	\$50.00	\$7,150.00	\$48.00	\$6,864.00	Tenderer 2	\$48.00
Engineering brickwork				\$2,950.00		\$3,540.00		\$3,835.00	Tenderer 2	
Walls				\$2,950.00		\$3,540.00		\$3,835.00	Tenderer 2	

Data Analysis

Comparison

Select a date: 13 Indices Set: Current Index: Locality Index: Apply

Base View: Level Selector Fields Selector Items Only

Project Version As Horizontal ☐ Apply Level Style To All Columns ☐ Merge by Code Only ☒ Highlight Highest/Lowest

Grouping Field: <None>

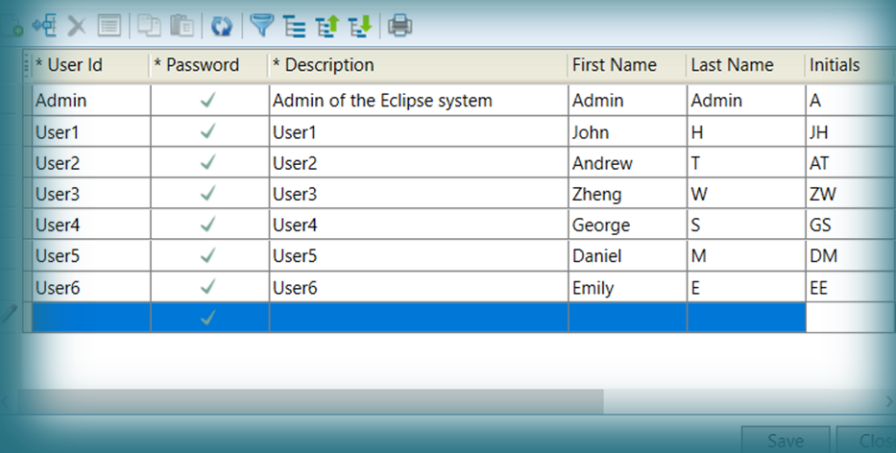
Code	Description	Unit	%	Cost/m2	Cost/m2 Difference to Average	Cost/m2 Difference % to Average	Cost/m2	Cost/m2 Difference to Average	Cost/m2 Difference % to Average	SUM	AVG	HIGHEST
	Summary		9%	1,354.97	64.57	5%	1,401.24	110.84	8.59%	3,871.19	1,290.40	1,401.24
1	Total housing u...	nr		1,354.97	-23.13	-1.68%	1,401.24	23.13	1.68%	2,756.20	1,378.10	1,401.24
1	Gross Project C...			1,354.97	-23.13	-1.68%	1,401.24	23.13	1.68%	2,756.20	1,378.10	1,401.24
1	Substructure			90.28	-9.54	-9.56%	109.37	9.54	9.56%	199.64	99.82	109.37
1.1	Substructure	m2		90.28	-9.54	-9.56%	109.37	9.54	9.56%	199.64	99.82	109.37
1	Superstructure			506.15	-18.37	-3.5%	542.8	18.37	3.5%	1,049.00	524.50	542.87
1.1	Frame	m2		187.00	-6.50	-3.36%	200.00	6.50	3.36%	387.00	193.50	200.00
1.2	Upper floors	m2		7.17	-0.19	-2.52%	7.54	0.19	2.52%	14.70	7.35	7.54
1.3	Roof	m2		90.28	-2.59	-2.79%	95.47	2.59	2.79%	185.74	92.87	95.47
1.4	Stairs and ramps	nr		10.68	-0.72	-6.35%	11.1	0.72	6.35%	22.82	11.41	11.1
1.5	External walls	m2		120.00	-6.67	-5.26%	133.33	6.67	5.26%	253.33	126.67	133.33
1.6	Windows and e...	m2		50.00	-1.67	-3.23%	53.33	1.67	3.23%	103.33	51.67	53.33
1.7	Internal walls a...	m2		1.00	-0.03	-3.23%	1.07	0.03	3.23%	2.07	1.03	1.07
1.8	Internal doors	nr		40.00	0.00	0%	40.00	0.00	0%	80.00	40.00	40.00
1	Internal finishes			169.00	-2.17	-1.27%	173.33	2.17	1.27%	342.33	171.17	173.33
1.1	Wall finishes	m2		90.00	-1.67	-1.82%	93.33	1.67	1.82%	183.33	91.67	93.33
1.2	Floor finishes	m2		20.00	0.00	0%	20.00	0.00	0%	40.00	20.00	20.00
1.3	Ceiling finishes	m2		32.00	-0.67	-2.04%	33.33	0.67	2.04%	65.33	32.67	33.33
1.4	Decoration	m2		27.00	0.17	0.62%	26.67	-0.17	-0.62%	53.67	26.83	27.00
1	Fittings, furnishi...	m2		35.00	0.83	2.44%	33.33	-0.83	-2.44%	68.33	34.17	35.00
1	Services			169.15	-1.60	-0.94%	172.33	1.60	0.94%	341.46	170.73	172.33
1.1	Sanitary Installa...	nr		100.00	-3.33	-3.23%	106.67	3.33	3.23%	206.67	103.33	106.67
1.2	Plumbing Installa...	nr		50.00	0.00	0%	50.00	0.00	0%	100.00	50.00	50.00

- Project revision comparison.
- Resource Breakdown Analysis (Labour, Plant, Material and more).
- Cross Reference Analysis
- Value Engineering and Optioneering Analysis.
- Functional Analysis (Room or Car Parking Space etc).
- Elemental Analysis.
- Bulk check.
- Benchmarking of similar projects.

Implementation & Usability

- Developed with cutting edge Microsoft Technologies.
- Supports various interfaces (data import and export, API and web services).
- Multi-lingual support via Microsoft Windows.
- Supports On-Premise, Cloud or Citrix implementation.
- Supports Windows tablets.
- Microsoft Office type modern user-interface.
- Drag-and-Drop style for Description, Rate and Quantity input.
- Supports both Mouse and Keyboard access.
- Auto-Save, Spell-Check and Undo/Redo functions.
- Designed for multi-user access.

Security & Data Recovery



A screenshot of a software interface showing a table of users. The table has columns for User Id, Password, Description, First Name, Last Name, and Initials. The rows list users from Admin to User6, each with a checkmark in the Password column. Below the table are 'Save' and 'Close' buttons.

* User Id	* Password	* Description	First Name	Last Name	Initials
Admin	✓	Admin of the Eclipse system	Admin	Admin	A
User1	✓	User1	John	H	JH
User2	✓	User2	Andrew	T	AT
User3	✓	User3	Zheng	W	ZW
User4	✓	User4	George	S	GS
User5	✓	User5	Daniel	M	DM
User6	✓	User6	Emily	E	EE

- Single-Sign-On available.
- Role-based authorisation and permissions.
- Customised access control at Project and Rate Library level.
- System and Rate Audit Trail (Who did what and when?).
- Automatic Data Recovery if unexpected power-outages, operating system failures or crashes occur.