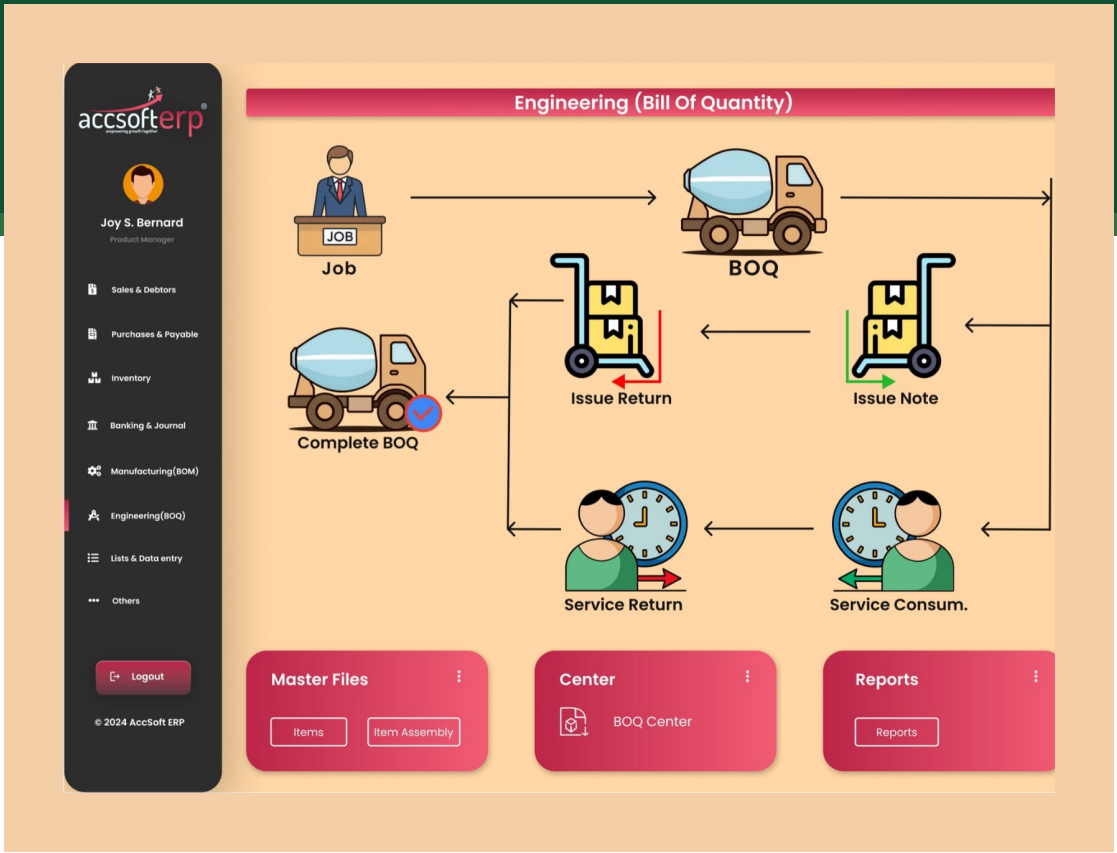


Engineering (Bill of Quantity)

Every job costed against its BOQ, from the first bag of cement to the final sign-off

The Engineering module links a construction or engineering job to its bill of quantity, controls the materials and services issued to site, and closes the job with actual cost against the BOQ. Every document is approved before it moves on, so nothing leaves the store or hits the job without sign-off.



Module dashboard: the BOQ workflow from job to completed BOQ, with Master Files, BOQ Center and Reports

Approval on every document Jobs, BOQs, issues, returns, services and completion each carry an approval level	True job cost Actual material plus actual service, with variance against the BOQ	Issues and returns Materials and services issued to site, returned to stock when unused	Full BOQ reporting Job status, BOQ issues, actual vs standard, cost variance and progress
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The job workflow

Seven documents, one chain, with an approval step between each. The dashboard shows the flow exactly as your site and office teams work it.

1	Job Open a job for a customer, project, stage and location, with start, complete and due dates.
2	Approve The job is authorised before any BOQ can be raised against it.
3	BOQ (Bill of Quantity) List the raw materials and quantities the job requires, per project, stage and batch. One job can carry several BOQs.
4	Approve The BOQ is approved before materials or services can be issued.
5	Issue Note / Service Consumption Issue materials from a location to the job against the approved BOQ, and record labour, machine time and sub-contracted services consumed. Each is approved before stock and cost move to the job.
6	Issue Return / Service Return Return unused material to stock and reverse services not performed, each approved before it reduces job cost.
7	Complete BOQ Approve completion, compare actual against the BOQ, and close the job with Complete & Add To Stock.

Approval control on every document

Engineering jobs run for months and consume high-value materials, so AccSoft ERP puts an approval level on every document in the chain. User permissions decide who can approve at each stage, and every document shows its Approved / Close status at a glance.

Document	What approval confirms
Job	The job is authorised and costed before any BOQ is raised against it
BOQ	Materials and quantities are agreed before anything is issued
Issue Note / Service Consumption	Stock and cost move to the job only when confirmed
Issue Return / Service Return	A reversal is checked before it reduces job cost
Complete BOQ	The job closes and output enters stock only after final sign-off

Key features

Jobs and Bills of Quantity

- Job header with customer, location, Class, project, stage, batch and template
- Start, complete and due dates on every job and BOQ
- Raw Materials grid with item, description and quantity per line
- Copy lines and Create/View Invoice to bill the customer directly from the BOQ
- Do not Reserve Stock and Allow Partial Delivery options per BOQ
- Standard BOQs defined once in Item Assembly and reused across jobs

Service costing

- Record labour, machine hours and sub-contracted services as Service Consumption against the job
- Service Returns reverse services not performed
- Service cost sits alongside material cost for a true job cost

Sri Lankan tax handling, built in

- VAT and SSCL calculated per line where a BOQ or service is billed to a customer
- Amts Inc VAT toggle for tax-inclusive pricing

Material issues and returns

- Issue materials against an approved BOQ with Select BOQ; Receive All pulls every line
- Issue from any location and batch, with MRN and Issue Note numbers for traceability
- Issue Returns put surplus material back into stock and reduce job cost

Complete BOQ and job closure

- Complete & Add To Stock closes the BOQ and posts any finished output to stock
- Partial completion supported, with partial variance and progress reports
- Actual vs standard comparison on cost and quantity for every completed BOQ

Multi-currency and custom data

- Exchange rate captured on every document
- Custom fields on document headers for site codes, engineer references or shift data
- Memo and customer message fields for notes and printed instructions
- Approved, Close, To be Printed, To be Delivered and To be Emailed flags

Bill of Quantity entry

The Bill of Quantity screen holds the job, location, project, stage and batch on one header, with the Raw Materials grid below listing each item and the quantity the job requires. Create/View Invoice bills the customer straight from the BOQ, and Complete & Add To Stock closes it.

Bill Of Quantity ✕

Job
J00008

Location
DCL HO

Class

Template
BOQ

Customer

Laboratory Equipment Company (Pvt) Ltd
No. 72, Mahavidhyala Mawatha,
Colombo - 13

Start Date

14-01-2025

Complete Date

14-01-2025

Ship To

Project
1

Stage

BOQ No

Date
14-01-2025

Batch

Raw Materials

Item	Description	Qty
1	Portland Cement 50kg bag	120
2	River Sand (cube)	8
3	Aggregate 20mm (cube)	10
4	Reinforcement Steel 12mm x 6m	150
5	Reinforcement Steel 10mm x 6m	90
6	Binding Wire (kg)	25
7	Formwork Plywood 18mm sheet	40
8	Timber Runners 2 x 2 (ft)	600
9	Concrete Blocks 6 inch	1500
10	Waterproofing Admixture 20L	4

Copy

Create/View Invoice

☐ Approved
☐ Close
☐ To be Printed
☐ Do not Reserve Stock
☐ Allow Partial Delivery

Memo

Complete & Add To Stock

Save & Close

Save & New

Clear & New

Bill of Quantity for a civil works job: item, description and quantity per line

Issuing materials to the job

The Issue Note pulls lines from the approved BOQ with Select BOQ, records the location, batch, MRN and Issue Note numbers, and is itself approved before stock and cost move to the job. The same layout is used for Issue Returns, Service Consumption and Service Returns.

Issue Note ✕

Job
J00008

BOQ
BOQ-0012

Class
Quick Books

Template
BOQ Issue Note

Customer
 Laboratory Equipment Company (Pvt) Ltd
 No. 72, Mahavidhyala Mawatha,
 Colombo - 13

Quo No
 M 46572

Date
 14-01-2025

Ship To

Location
Main

Batch

MRN No

Pay Method

Custom Field
(2) Two User

Issue Note No

Term

Due Date
14-01-2025

Ship Date
14-01-2025

Ship Via

Item	Description	Qty
1	Portland Cement 50kg bag	120
2	River Sand (cube)	8
3	Aggregate 20mm (cube)	10
4	Reinforcement Steel 12mm x 6m	150
5	Reinforcement Steel 10mm x 6m	90
6	Binding Wire (kg)	25

Select BOQ

Receive All

Show BOQ

☐ Approved
 ☐ Closed
 ☐ Amts Inc VAT
 ☐ To be Printed
 ☐ To be Delivered
 ☐ To be Emailed

Exchange Rate
 1

Memo
 Quick Books Service maintenance fee for the period

Customer Msg

Save & Close

Save & New

Clear & New

Issue Note against an approved BOQ

Master files and BOQ Center

Items and Item Assembly

- Items: one item master shared with Inventory, Purchasing and Sales, so material cost and billing rates stay in sync
- Item Assembly: standard bills of quantity defined once and reused on every job

BOQ Center

- Every job, BOQ, issue, return, service and completion for a customer or job on one screen
- Completion status and cost to date at a glance
- Drill down to any document from the job

Reports

Ready-made engineering reports, filterable by date range, job, customer, location and Class, and exportable to Excel and PDF.

Jobs and issues

Jobs

- BOQ Job List
- Job Summary Report (All / Completed / UnCompleted)
- Job Status Report (BOQ)

Bills of quantity and issues

- BOQ Details
- BOQ Issues Summary / Details
- Production Note Summary / Details

Costing and progress

Actual vs standard

- BOQ Actual Vs Standard (All / Completed / UnCompleted)
- Cost Variance Report (Partial)

Progress

- Working Progress Report (BOQ)
- Finished Good Variance and Progress reports (Partial / Completed)

Why AccSoft ERP for engineering?

Fully integrated	Material issues draw down Inventory, purchase costs flow in from Purchases & Payables, customer billing goes through Sales & Debtors, and every posting lands in the General Ledger, with no double entry.
True job cost	Material, service and variance are captured per job, so you know what each job actually cost against its BOQ.
Controlled sites	Approval levels on every document mean no material leaves the store and no job closes unchecked.
Built for Sri Lanka	VAT, SSCL and local document formats are standard, not add-ons.
Proven since 1998	AccSoft Solutions has supported Sri Lankan businesses for over 25 years, with more than 5,000 installations.

Who uses this module

- Building and civil contractors costing sites against BOQs
- MEP (mechanical, electrical and plumbing) contractors managing material issues per project
- Interior fit-out and joinery contractors working to client bills of quantity
- Road, drainage and infrastructure contractors with multi-stage jobs
- Fabrication and installation firms combining material and site labour
- Any engineering business that needs actual cost against the BOQ for every job

Frequently asked questions

Which engineering documents require approval?

All of them. Jobs, BOQs, issue notes, issue returns, service consumption, service returns and BOQ completion each carry an approval level, and user permissions control who can approve.

Can one job have more than one BOQ?

Yes. A job can carry several BOQs and batches, each with its own materials, stage and completion status.

How is job cost calculated?

Actual material issued, less returns, plus actual services consumed, less returns, are accumulated on the job. On completion the variance against the BOQ is reported.

Does the system support partial completion?

Yes. A BOQ can be completed in parts, and the partial variance and progress reports track what is done and what remains.

Can we bill the customer from the BOQ?

Yes. Create/View Invoice raises the customer invoice directly from the BOQ, with VAT and SSCL applied per line.

Are standard bills of quantity reusable?

Yes. Define them once in the Item Assembly master and pull them into any job with Select BOQ.

See Engineering (BOQ) in action

Book a free demo and we will walk your project team through a complete job, from BOQ and material issue to service costing and completion, using your own items and bills of quantity.

erp.lk | AccSoft Solutions (Pvt) Ltd, Colombo, Sri Lanka