MADDERN
CAPITAL & PROJECTS
PROJECTS | SHUTDOWNS | ENGINEERING

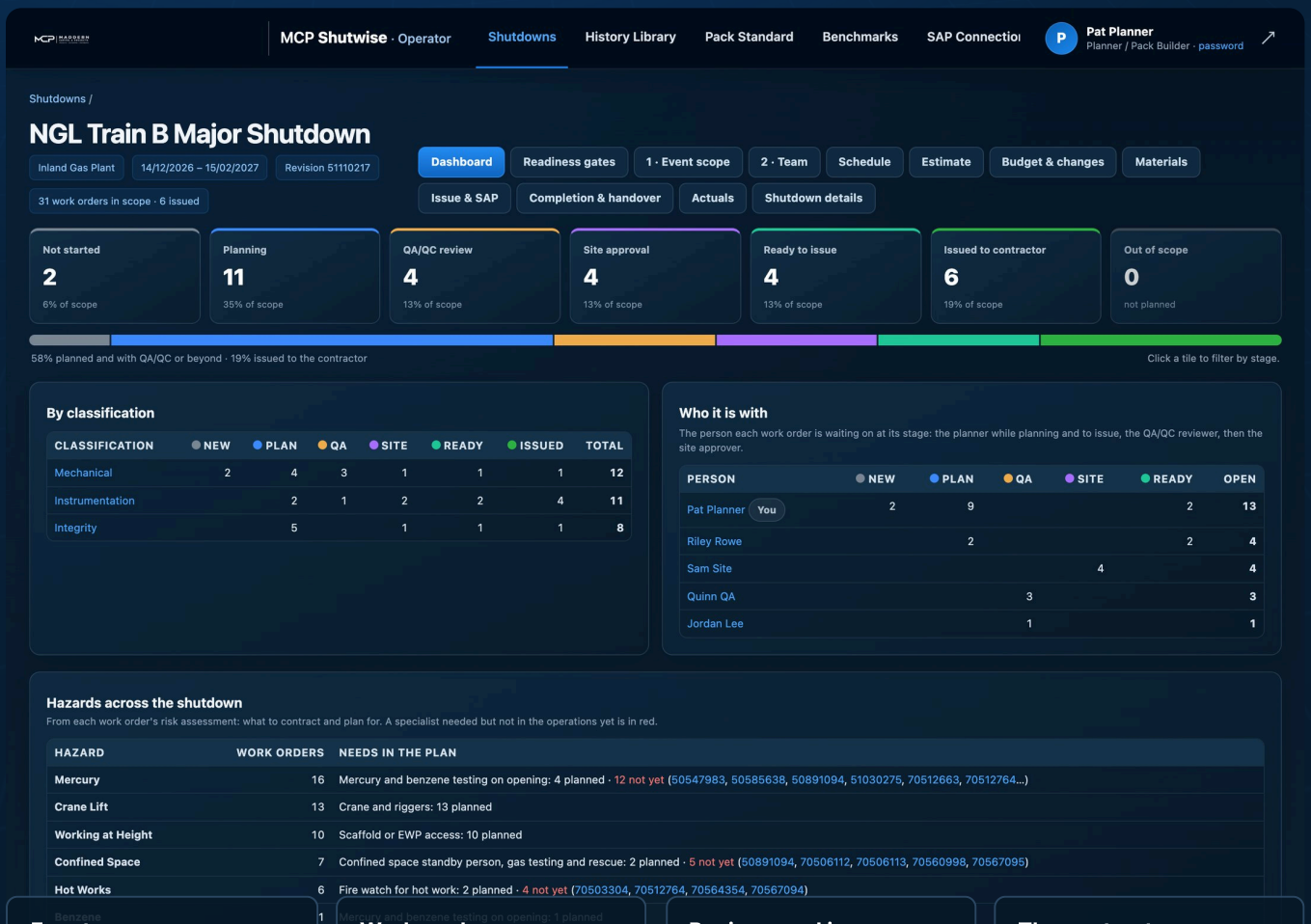
EARLY ACCESS · 2026

SHUTDOWNS AND TURNAROUNDS

Shutwise

From work order to gas on, and handover.

One tool for the shutdown team. Scope the event, build every work pack to your site standard, review it before it reaches the field, give each contractor a pack its crews will use, let the planning drive the program, the crews, the estimate and the budget, and close every work order out on site with a record your operations team can accept.



Event scope
Every work order, its stage and who it is with

Work packs
Built to the standard, from SAP or from last time

Reviews and issue
As many reviews as you need; every change logged

The contractor copy
A job card first, only its own part, the drawings a scan away

Program and crews
Critical path, levelled crews, P6 both ways

Estimate and budget
Firms up as you plan; materials and changes under control

Field completion
Operations, QA forms and joints on a phone or tablet

Handover
Accepted, PRCO in SAP, area by area

WHY SHUTWISE

One plan, from scope to handover

On most shutdowns the scope lives in a spreadsheet, work packs are assembled by hand from SAP prints, drawings and forms, the program is rebuilt in Primavera, the estimate sits in another workbook, materials are chased by email, and the completion paperwork comes back handwritten, incomplete or not at all. Everything is keyed more than once and the versions drift apart. Shutwise brings it together: each work order is planned once, and that plan becomes the work pack, the contractor's copy, the program, the estimate and budget, the materials plan and, on site, the completion record that hands the plant back.

1
Scope the event
Upload the event scope; every work order becomes a pack with its owner and stage.

2
Plan each work order
From SAP, from last time, or the guided build; its planning tasks tracked to the gates.

3
Review and approve
Each review signed by a different person; every change in the log.

4
Issue
A lean copy for each contractor, in its portal; the planning back to SAP.

5
Program, crews, estimate
Gas off to gas on with crews levelled and priced; out to P6 and back.

6
Materials and gates
Need dates from the program; readiness tracked against each gate.

7
Complete in the field
Operations, QA forms, joint records, photos and punch list on a phone or tablet.

8
Accept and hand over
The client accepts each record, PRCO in SAP, areas handed to operations.

Pre-shutdown works → **gas off** → run-down, purge, isolations, blinding → work order execution → return to service → **gas on**

Packs right first time

A check sheet for each work pack type lists what the pack needs. Nothing reaches site approval with a gap nobody knows about, and every reviewer sees exactly what was left out and why.

Plan once, use it everywhere

Operations, crews, durations and materials feed the pack, the trade registers, the program, the estimate, the contractors' timesheet registers and the materials plan. Changes go back to SAP: nothing keyed twice.

A pack the crew will use

Each contractor gets a lean copy: a job card on page one, its own steps with the holds it waits for, one flange sheet and the P&IDs cropped to the work, with the full drawings a scan away.

The right crew for the duration

Crew limits and crashing are priced against lost production, so the shutdown length is a cost decision, and camp, flights, inductions and supervision come from the same levelled crews.

Records that don't depend on handwriting

Contractors complete each work order on a phone or tablet: operations, QA forms and joint records typed, time-stamped, with photographs, and checked as they are entered.

A handover you can prove

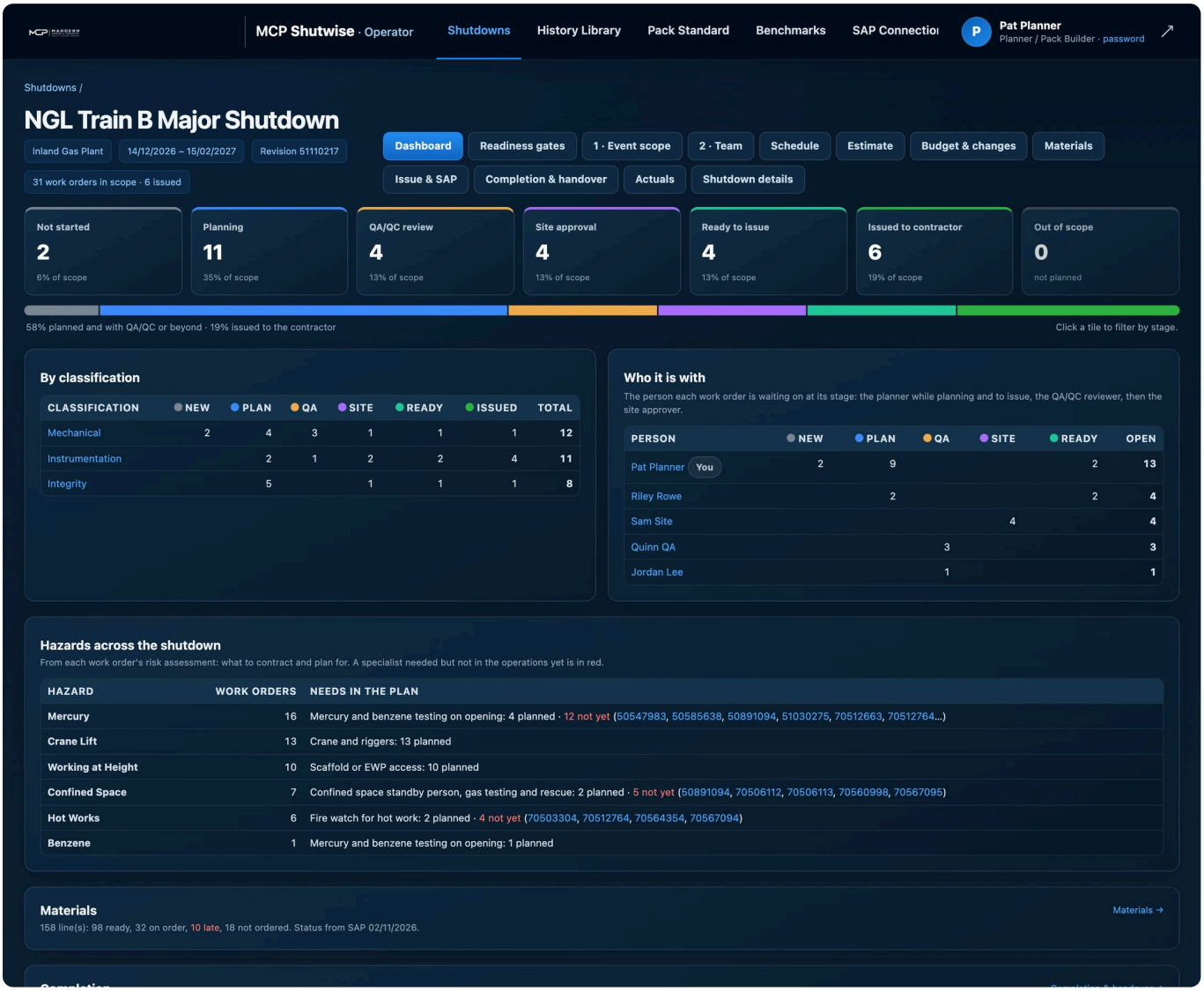
The client's representative accepts each record and sets PRCO in SAP. Areas are offered to operations when every order is accepted, with a certificate and every completion record behind it.

MODULE 1

Event scope and dashboard

01

Start from the approved event scope. Every in-scope work order becomes a work pack with its classification, scope decision and readiness, and the dashboard shows where every one of them is and who it is waiting on.



The shutdown dashboard: work orders by stage, by classification and by person, and the hazards across the shutdown with what is still to plan.

Load the scope, see the changes

Upload the event scope workbook; new, changed and dropped work orders are shown before anything is saved, and later revisions are compared the same way. Or grab the scope from SAP by revision, maintenance plan or functional location.

Every work order's stage

Not started, planning, in review, site approval, ready to issue, issued: filter by stage, person, classification or pack type, reassign in bulk, and take work out of scope with a reason.

The team, by discipline

Nominate planners, reviewers and site approvers for all of the work or a classification. Unassigned work orders are shared out by load, and only the nominated people sign a pack off.

Hazards across the shutdown

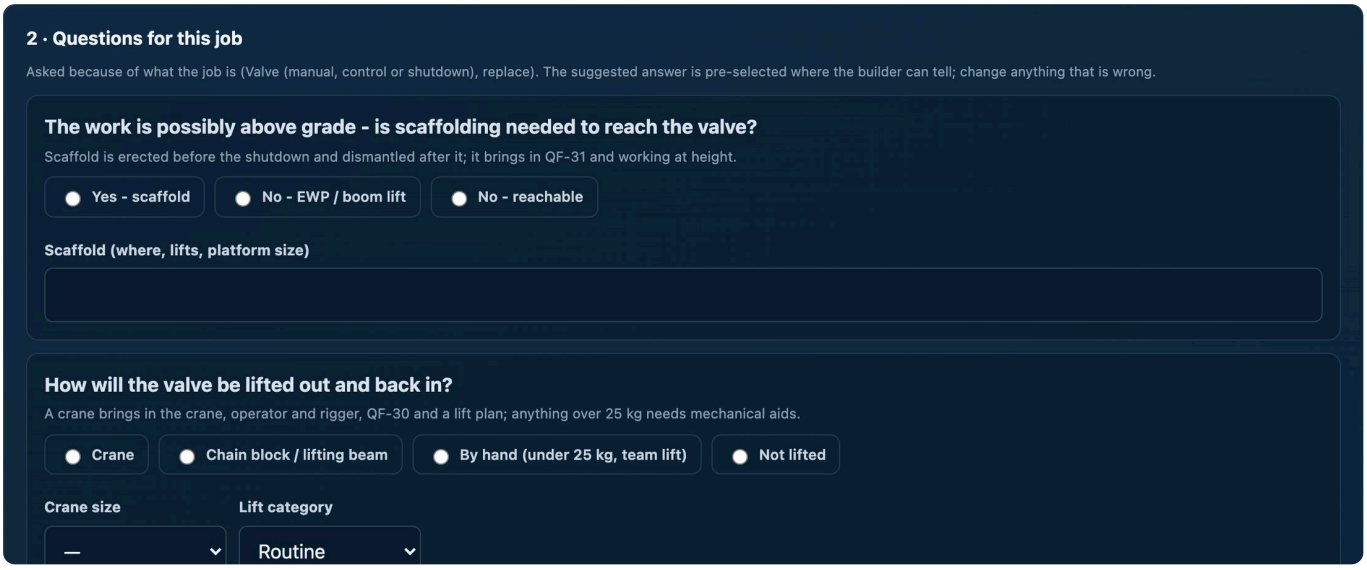
From each pack's risk assessment: what to contract and plan for, and which work orders still need the specialist or access added to their operations.

MODULE 2

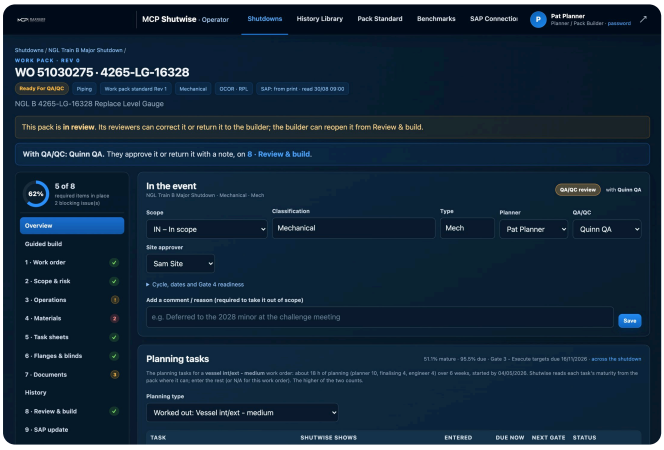
Work packs, built to your standard

02

Each work order is planned once, in a pack that knows what its type needs: read from SAP or the work order print, started from the last pack for the asset, or built with the guided questions.



Guided build: the questions that decide the plan, with suggested answers where the order already tells.



Each pack's progress, its check sheet and its planning tasks against the next gate.



Hazards on the risk assessment that need something in the plan, added with one click.

Guided build for new work

Equipment and task, then scaffold, crane, lagging, asbestos, mercury and benzene, confined space, isolation, loop checks, hot work (with the fire watch alongside), leak test: written into operations with work centres and hours, materials, the task sheet and risks. Joints broken and blinds fitted are asked apart, each blind with its de-blinding.

Positive isolation NEW

A battery limit blinding pack type, its steps straight after isolations. A confined space entry can't go to review until the space is positively isolated, and its CSE and rescue plan is drawn up from the work order. Operations' blinds and isolations list is attached as they issue it.

Drawings and photographs

Mark up P&IDs and isometrics with the equipment found by its tag, place the job on the plot plan, and caption and mark up the task sheet photographs, from the office or a phone.

The master pack, printed to the standard

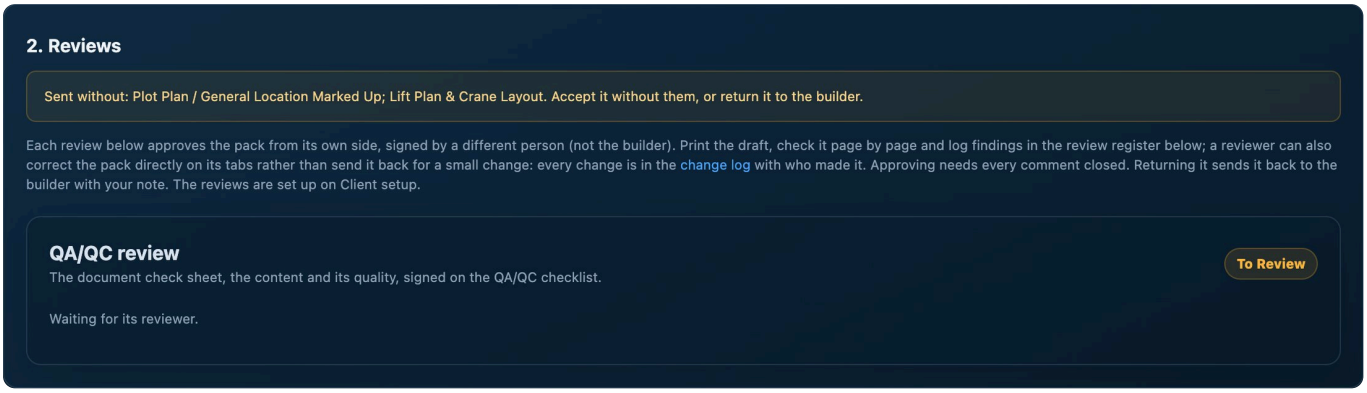
Cover with the equipment photograph and sign-offs, contents, coloured dividers and every section, the same for every pack: the record copy, kept in Shutwise with its history.

MODULE 3

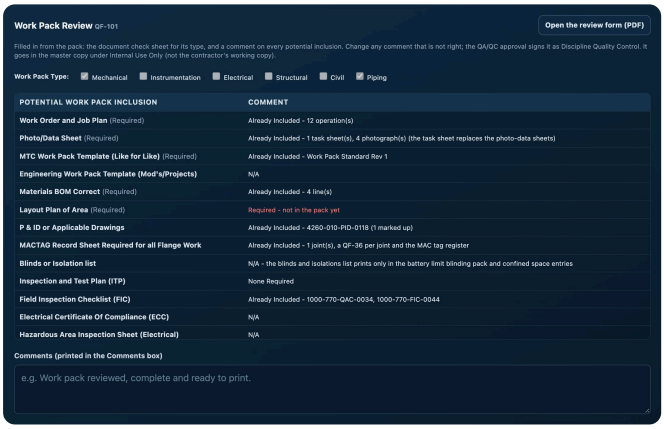
Reviews, approval and issue

03

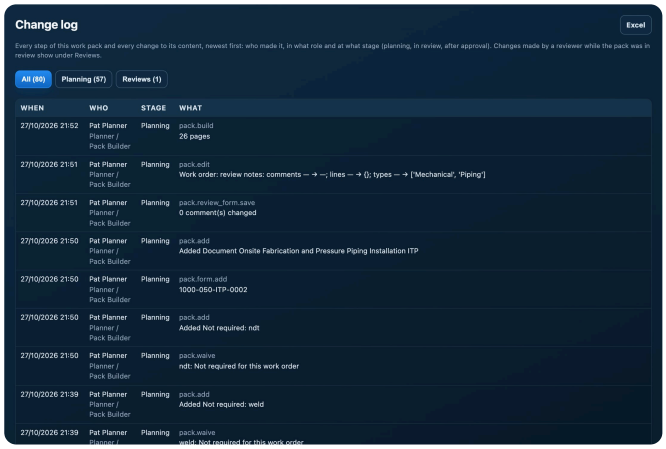
Packs are locked while they are reviewed, so reviewers sign what they read. Set up as many reviews as your site wants (QA/QC, an experienced planner, the execution coordinator), each signed by a different person, then site approval and issue to each contractor.



Each review with what it looks at and who signs it; anything sent without is named for the reviewer to accept or return.



The work pack review form, filled in from the pack for the reviewer to confirm.



The change log NEW every step and every change, with who, their role and the stage.

Reviews set up for your site NEW

Each review approves the pack from its own side; any reviewer can return it to the builder with a note, and every review approves it before site approval.

Issued to each contractor

Its own copy built at issue and pushed to its portal, marked New until it is opened; registers for scaffolding, lifting, lagging and blinding, and the MAC tag register.

Reviewers correct, not just return NEW

A small fix is made in place by the reviewer rather than sent back; the change log shows who changed what, and at which stage.

Back to SAP

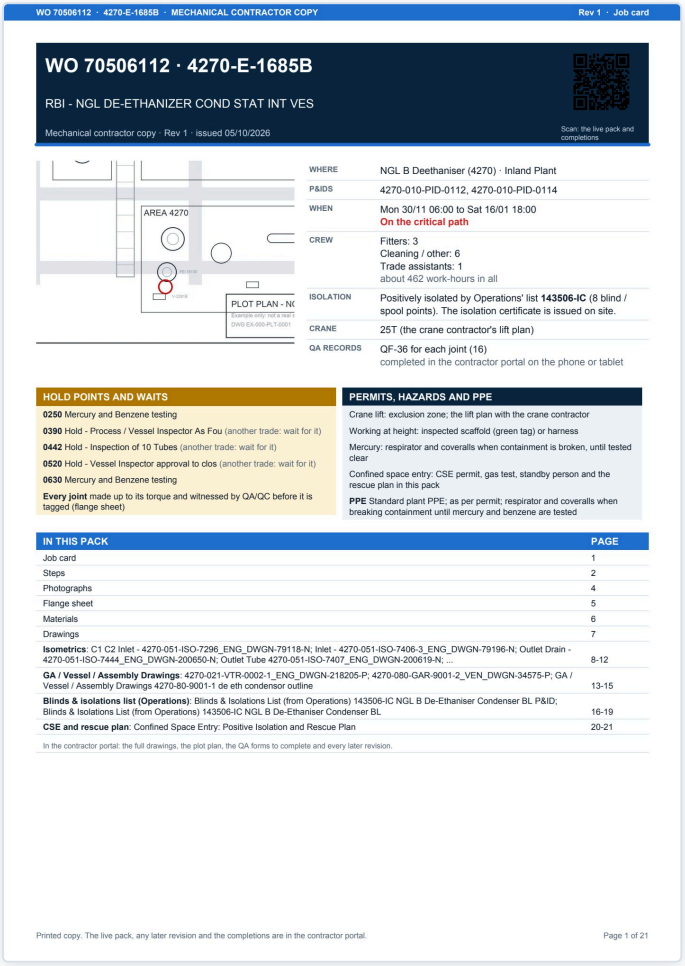
Only new and changed operations and materials, as a planning load for the whole shutdown or development sheets per order.

MODULE 4 NEW

A work pack the crew will use

04

What each contractor is issued, prints and works from: a job card on page one, then its own steps, one flange sheet for every joint, the materials and the P&IDs cropped to the work. The master pack stays in Shutwise as the record; the copy carries what the crew needs.



WO 70506112 · 4270-E-1685B · MECHANICAL CONTRACTOR COPY — Rev 1 · Job card

WO 70506112 · 4270-E-1685B

RBI - NGL DE-ETHANIZER COND STAT INT VES

Mechanical contractor copy · Rev 1 · issued 05/10/2026

Scan: the live pack and completions

AREA 4270

PLOT PLAN - NO

WHERE	NGL B Deethaniser (4270) · Inland Plant
P&IDS	4270-010-PID-0112, 4270-010-PID-0114
WHEN	Mon 30/11 06:00 to Sat 16/01 18:00 On the critical path
CREW	Fitters: 3 Cleaning / other: 6 Trade assistants: 1 about 462 work-hours in all
ISOLATION	Positively isolated by Operations' list **143506-IC** (8 blind / spool points). The isolation certificate is issued on site.
CRANE	25T (the crane contractor's lift plan)
QA RECORDS	QF-36 for each joint (16) completed in the contractor portal on the phone or tablet

HOLD POINTS AND WAITS

- **0250** Mercury and Benzene testing
- **0390** Hold - Process / Vessel Inspector As Fou (another trade: wait for it)
- **0442** Hold - Inspection of 10 Tubes (another trade: wait for it)
- **0520** Hold - Vessel Inspector approval to clos (another trade: wait for it)
- **0630** Mercury and Benzene testing
- **Every joint** made up to its torque and witnessed by QA/QC before it is tagged (flange sheet)

PERMITS, HAZARDS AND PPE

- Crane lift: exclusion zone; the lift plan with the crane contractor
- Working at height: inspected scaffold (green tag) or harness
- Mercury: respirator and coveralls when containment is broken, until tested clear
- Confined space entry: CSE permit, gas test, standby person and the rescue plan in this pack
- **PPE** Standard plant PPE; as per permit; respirator and coveralls when breaking containment until mercury and benzene are tested

IN THIS PACK	PAGE
Job card	1
Steps	2
Photographs	4
Flange sheet	5
Materials	6
Drawings	7
Isometrics: C1 C2 Inlet - 4270-051-ISO-7296_ENG_DWGN-79118-N; Inlet - 4270-051-ISO-7406-3_ENG_DWGN-79196-N; Outlet Drain - 4270-051-ISO-7444_ENG_DWGN-200650-N; Outlet Tube 4270-051-ISO-7407_ENG_DWGN-200619-N; ...	8-12
GA / Vessel / Assembly Drawings: 4270-021-VTR-0002-1_ENG_DWGN-218205-P; 4270-080-GAR-9001-2_VEN_DWGN-34575-P; GA / Vessel / Assembly Drawings 4270-80-9001-1 de eth condensor outline	13-15
Blinds & isolations list (Operations): Blinds & Isolations List (from Operations) 143506-IC NGL B De-Ethaniser Condenser BL P&ID; Blinds & Isolations List (from Operations) 143506-IC NGL B De-Ethaniser Condenser BL	16-19
CSE and rescue plan: Confined Space Entry: Positive Isolation and Rescue Plan	20-21

In the contractor portal: the full drawings, the plot plan, the QA forms to complete and every later revision.

Printed copy. The live pack, any later revision and the completions are in the contractor portal.

Page 1 of 21

The job card first

Where (the plot plan cropped round the job), when (its window on the program, and whether it is critical), the crew, the isolation, the crane, the hold points and waits, permits, hazards and PPE, and what is in the pack.

Its own steps, in order

A sign-off box on each; HOLD rows shaded; another trade's hold as a WAIT row, so nobody gets ahead of the inspector. The crew on each step, not the hours.

One flange sheet

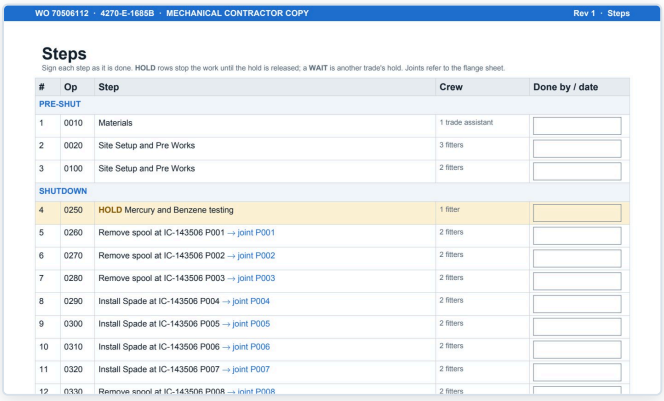
Every joint on one page with its gasket, studs, spanner and torque, and boxes for the MAC tag and the QA/QC witness. The checklist for each joint is completed on the phone.

P&IDs cropped to the work

Each marked-up sheet cropped round the job, readable on A4, with the whole sheet beside it to show where. The QR code opens the full drawings in the portal.

Only its part, the same layout

On a work order shared between trades, the fitters, scaffolders and laggers, crane crew, I&E and inspectors each get their own copy, with the client's logo and their own.

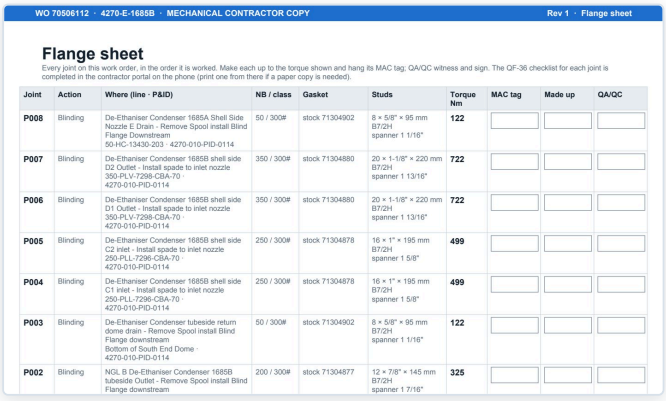


WO 70506112 · 4270-E-1685B · MECHANICAL CONTRACTOR COPY — Rev 1 · Steps

Steps

Sign each step as it is done. **HOLD** rows stop the work until the hold is released; a **WAIT** is another trade's hold. Joints refer to the flange sheet.

#	Op	Step	Crew	Done by / date
PRE-SHUT				
1	0010	Materials	1 trade assistant	
2	0020	Site Setup and Pre Works	3 fitters	
3	0100	Site Setup and Pre Works	2 fitters	
SHUTDOWN				
4	0250	HOLD Mercury and Benzene testing	1 fitter	
5	0260	Remove spool at IC-143506 P001 → joint P001	2 fitters	
6	0270	Remove spool at IC-143506 P002 → joint P002	2 fitters	
7	0280	Remove spool at IC-143506 P003 → joint P003	2 fitters	
8	0290	Install Spade at IC-143506 P004 → joint P004	2 fitters	
9	0300	Install Spade at IC-143506 P005 → joint P005	2 fitters	
10	0310	Install Spade at IC-143506 P006 → joint P006	2 fitters	
11	0320	Install Spade at IC-143506 P007 → joint P007	2 fitters	
12	0330	Remove spool at IC-143506 P008 → joint P008	2 fitters	



WO 70506112 · 4270-E-1685B · MECHANICAL CONTRACTOR COPY — Rev 1 · Flange sheet

Flange sheet

Every joint on this work order, in the order it is worked. Make each up to the torque shown and hang its MAC tag; QA/QC witness and sign. The QF-36 checklist for each joint is completed in the contractor portal on the phone (print one from there if a paper copy is needed).

Joint	Action	Where (line · P&ID)	NB / class	Gasket	Studs	Torque Nm	MAC tag	Made up	QA/QC
P008	Blinding	De-Ethaniser Condenser 1685A Shell Side Nozzle E Drain - Remove Spool install Blind Flange Downstream 50-HC-13430-203 · 4270-010-PID-0114	50 / 300#	stock 71304902	8 × 5/8" × 95 mm B7/2H spanner 1 1/16"	122			
P007	Blinding	De-Ethaniser Condenser 1685B shell side D2 Outlet - Install spade to inlet nozzle 350-PLV-7298-CBA-70 · 4270-010-PID-0114	350 / 300#	stock 71304880	20 × 1-1/8" × 220 mm B7/2H spanner 1 13/16"	722			
P006	Blinding	De-Ethaniser Condenser 1685B shell side D1 Outlet - Install spade to inlet nozzle 350-PLV-7298-CBA-70 · 4270-010-PID-0114	350 / 300#	stock 71304880	20 × 1-1/8" × 220 mm B7/2H spanner 1 13/16"	722			
P005	Blinding	De-Ethaniser Condenser 1685B shell side C2 inlet - Install spade to inlet nozzle 250-PLL-7296-CBA-70 · 4270-010-PID-0114	250 / 300#	stock 71304878	16 × 1" × 195 mm B7/2H spanner 1 5/8"	499			
P004	Blinding	De-Ethaniser Condenser 1685B shell side C1 Inlet - Install spade to inlet nozzle 250-PLL-7296-CBA-70 · 4270-010-PID-0114	250 / 300#	stock 71304878	16 × 1" × 195 mm B7/2H spanner 1 5/8"	499			
P003	Blinding	De-Ethaniser Condenser tubeside return dome drain - Remove Spool install Blind Flange downstream Bottom of South End Dome · 4270-010-PID-0114	50 / 300#	stock 71304902	8 × 5/8" × 95 mm B7/2H spanner 1 1/16"	122			
P002	Blinding	NGL B De-Ethaniser Condenser 1685B tubeside Outlet - Remove Spool install Blind Flange downstream	200 / 300#	stock 71304877	12 × 7/8" × 145 mm B7/2H spanner 1 7/16"	325			

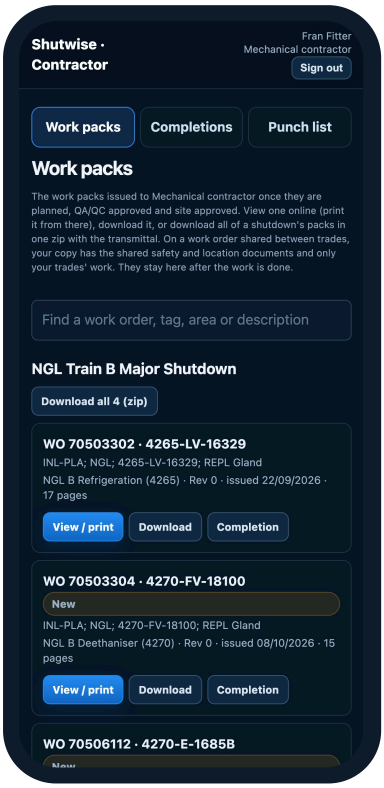
The mechanical contractor's copy of an exchanger inspection: the job card, its steps with HOLD and WAIT rows, and the flange sheet (example data; the plot plan is illustrative).

MODULE 5 NEW

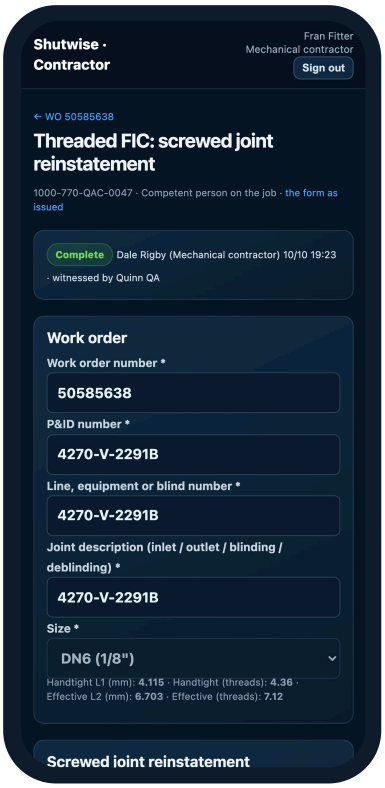
The contractor portal

05

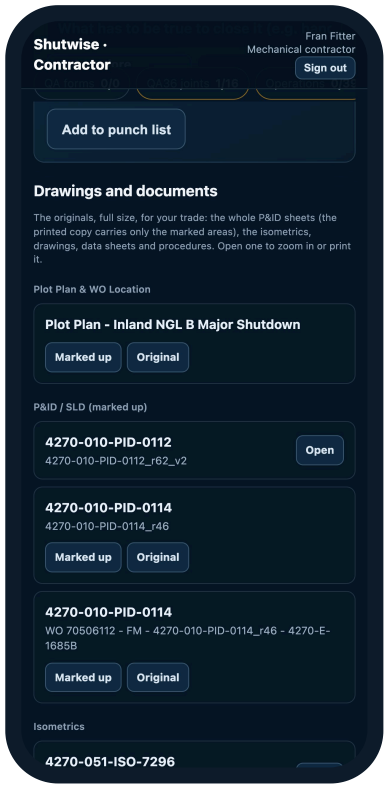
Each contractor signs in to its own portal on a phone, tablet or computer: the work packs issued to it, the work recorded as it is done, and its punch list. The QR code on the printed copy opens the work order there.



Every pack issued to it, New or Revised until opened.



QA forms completed on screen and witnessed by the client.



The full drawings, marked up or original.

Packs that stay with the contractor

Through a revision (it keeps working to the one it holds until the next is issued), after close-out and after the shutdown is archived. The client sees who has opened each revision; a shutdown's packs download in one zip with the transmittal.

Each trade its own part

On a work order shared between trades, each contractor sees and records only its own operations, QA forms and joints, and submits its own part; the client can return the work to one contractor only.

QA forms on screen

The site's FICs and ITPs set up as digital forms: checks, readings with their limits, tables and the photographs they ask for. A failed check keeps the form open; a form not yet set up is completed on paper and photographed.

The job as it is found

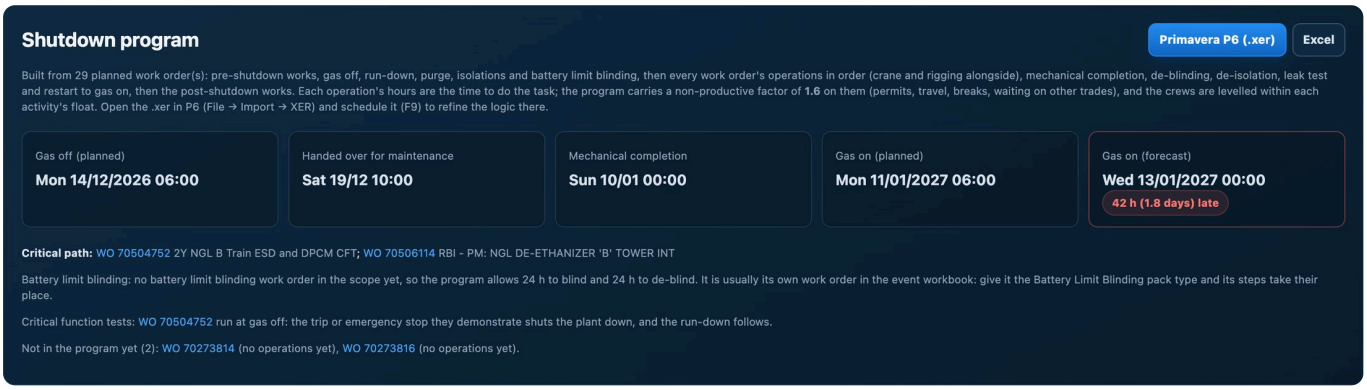
A joint broken on site that the plan did not list is added from the phone with its flange data, for its record and MAC tag. Punch items carry what has to be true to close them.

MODULE 6

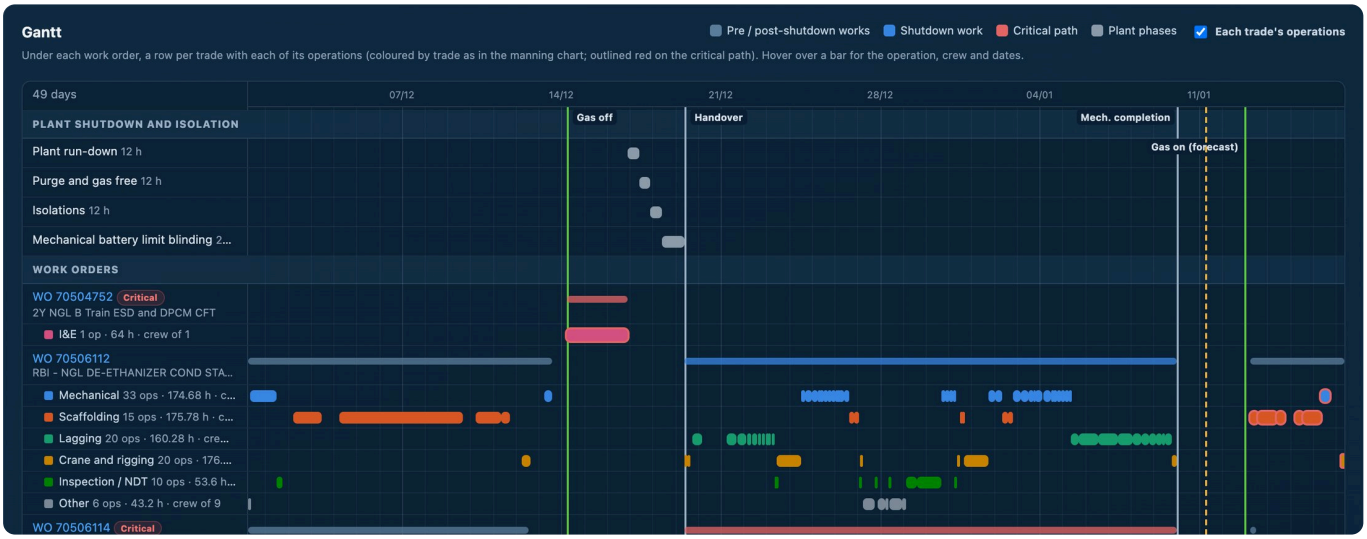
The shutdown program, to P6 and back

06

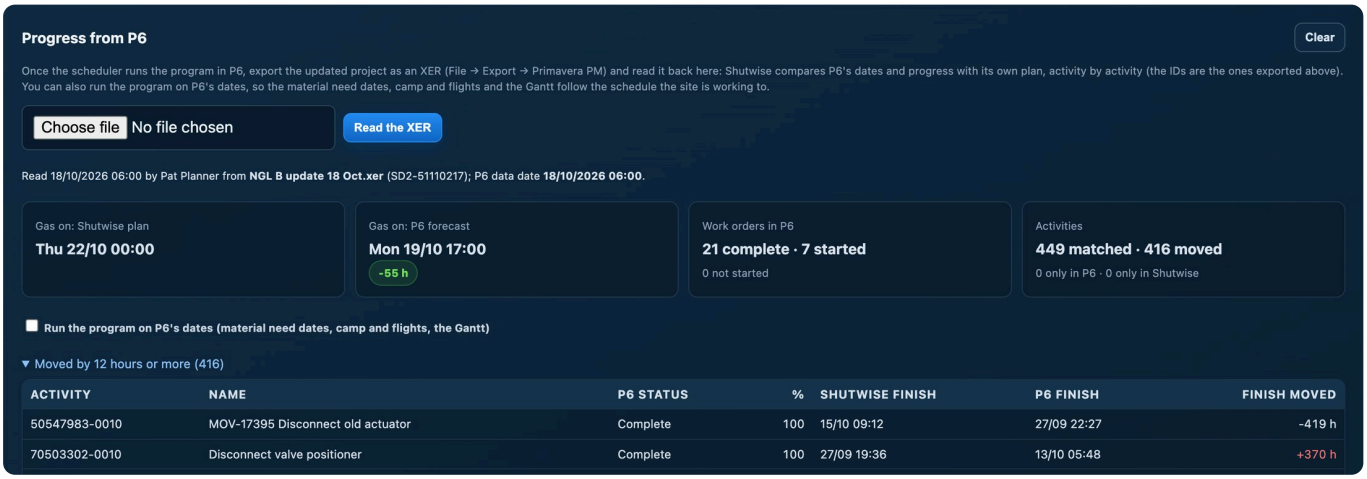
As work orders are planned with trades and durations, Shutwise builds the shutdown program the way a shutdown runs: pre-shutdown works, gas off (critical function tests first), run-down, purge, isolations and blinding, every work order in order, then return to service and gas on. Task hours carry a non-productive factor and the crews are levelled; the program opens in Primavera P6, and the update comes back with its progress.



Key dates against the planned gas on, with the critical path.



The Gantt by plant phase and work order, with a row for each trade's operations under each work order **NEW**



Progress read back from P6: its forecast gas on against the plan, work orders started and complete, and every activity that moved. The program can follow P6's dates, so material need dates and the camp plan follow the schedule the site works to.

MODULE 7

Crew size against shutdown length

07

Bigger crews for fewer days, or smaller crews for more. Every combination of crew limits and crashing is a full rebuild of the program, priced on what changes with it: the crews' paid hours, the owner's team for the days from gas off to gas on, the people on site, and the production lost for each of those days. Apply the one you choose and the program, estimate and contractor registers follow.



Every option priced, cost against days from gas off to gas on, with the cheapest in total marked and the one applied.



The people on site from the levelled crews: beds each night against the camp, flights and buses, and what they cost.

Crew limits and crashing

Cap each trade at a share of its peak, or put more people on the critical path's operations for the same work-hours. Least-float work gets its crews first.

The people on site, priced NEW

Camp beds, flights (by the seat or a charter), inductions and contractor supervision at your rates, into the estimate and every option.

MODULE 8

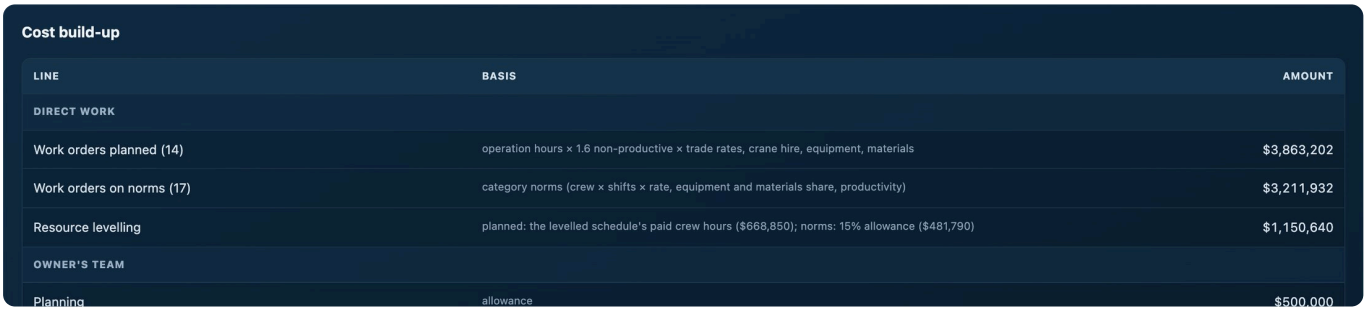
An estimate that firms up as you plan

08

The estimate starts from your own estimating norms and replaces them, work order by work order, with the planned hours at your contract rates once each work order passes its review. Prompts say what to firm up next, and the accuracy class follows how much is planned and priced.



The estimate, its class and range, how much is planned from the work orders, and the prompts that firm it up.



The cost build-up: direct work, the levelled crews' idle time, the owner's team, the people on site and allowances.



Contractor timesheet registers for SiteControl: each contractor's register filled in from the levelled program.

From forecast to planned

A forecast count per category, then each work order at its category norm, then its own operations at the contract rates, crane hire by size, equipment and priced materials.

Norms that learn NEW

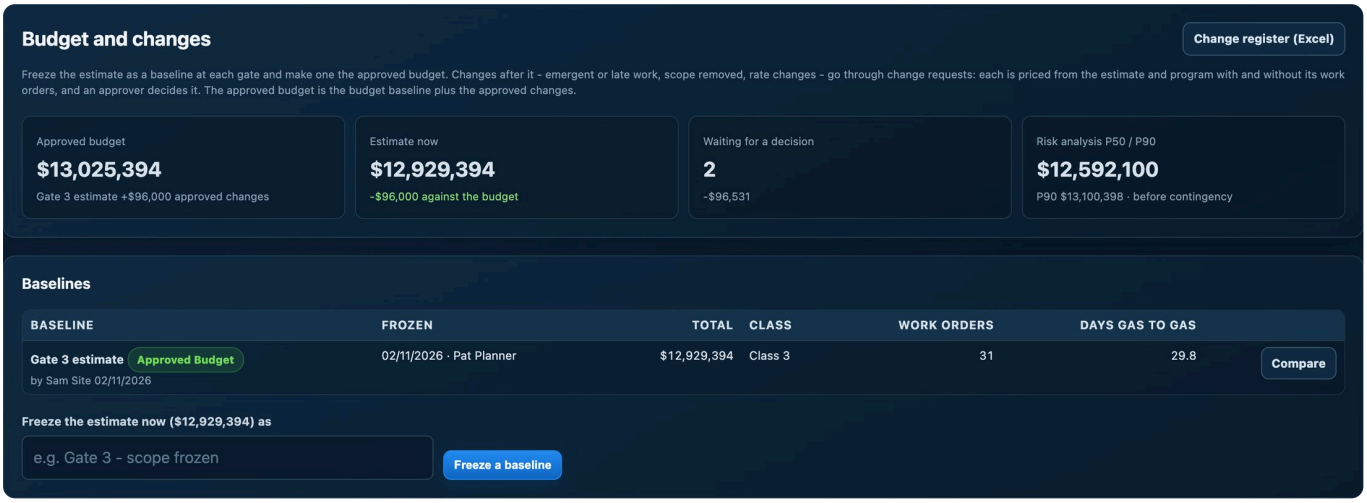
The crew hours entered as each operation is signed off in the field are the actuals; each shutdown keeps a benchmark, and the norms recalibrate from what the work really took.

MODULE 9

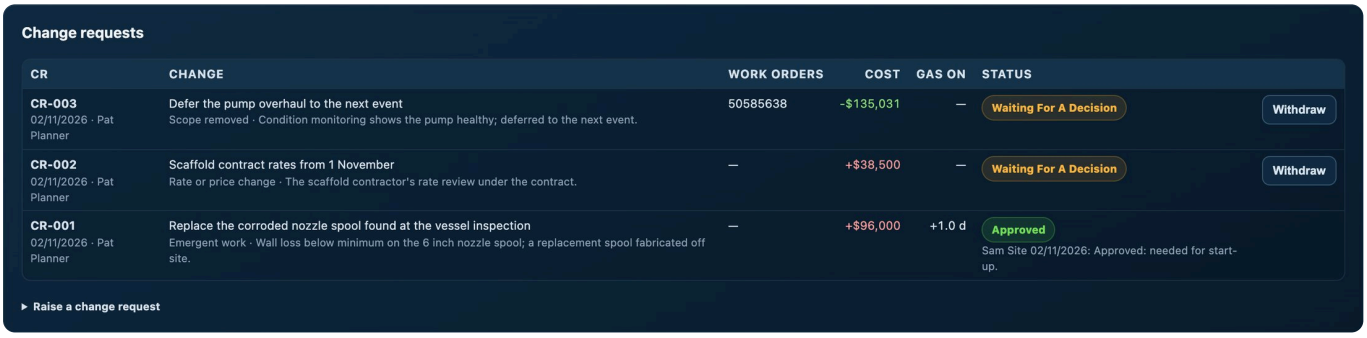
Budget, change control and risk

09

Freeze the estimate as a baseline at each gate and make one the approved budget. From then on, emergent and late work, scope removed and rate changes go through change requests, each priced from the estimate and the program with and without its work orders.



The approved budget (the baseline plus approved changes), the estimate now, changes waiting for a decision and the risk range.



Change requests with their cost and effect on gas on, waiting for a decision or approved by the site approver.



Risk analysis: 2,000 runs on cost and duration by how firm each part of the estimate is, with contingency set to the P50, P80 or P90.

The walk from the baseline

Scope added and removed, rates, planning detail, forecast scope, the owner's team and allowances, work order by work order and line by line.

Decided by the right person

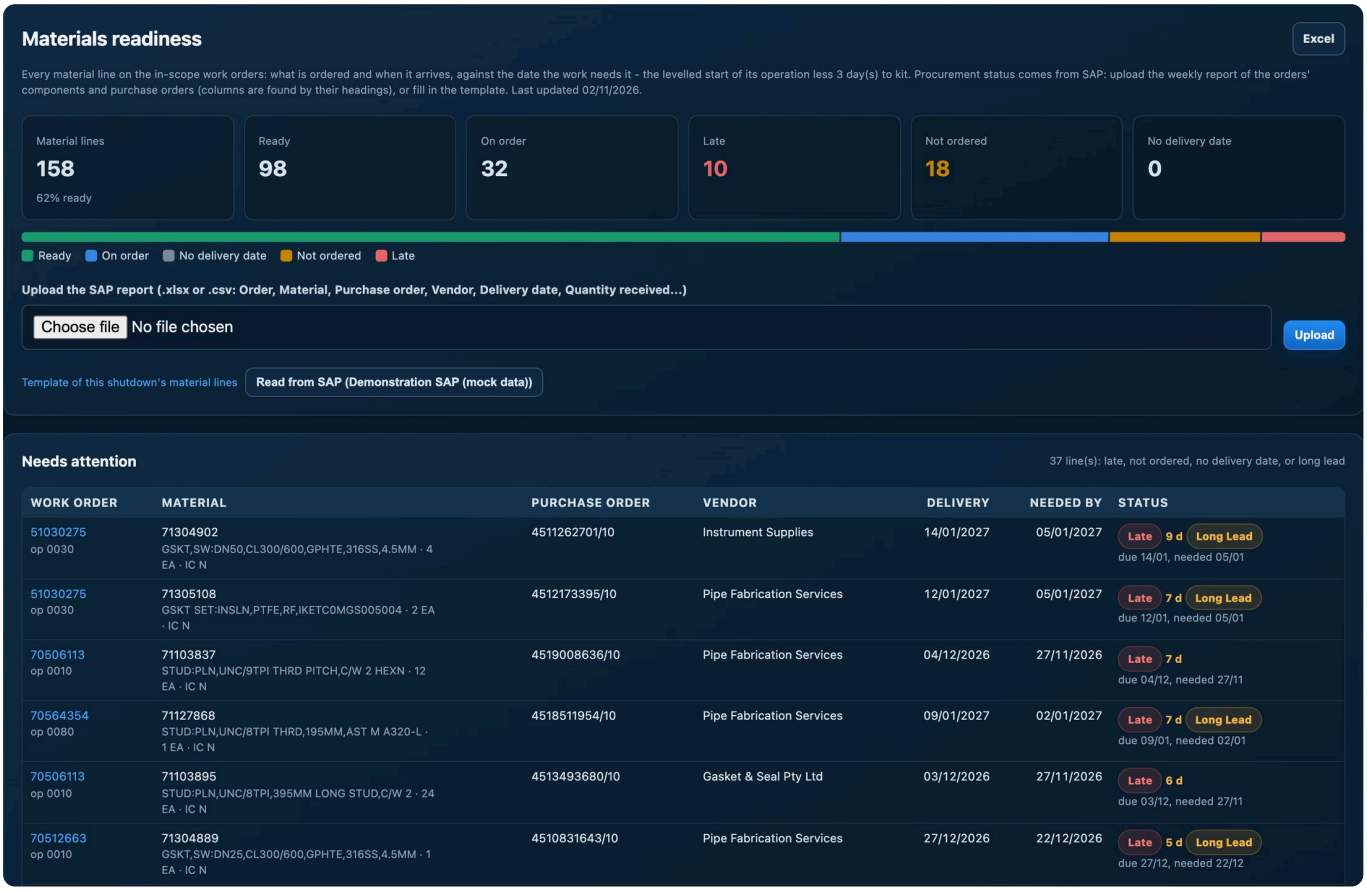
The planner raises it, the approver decides it, and approved work comes into the scope with the decision recorded against it.

MODULE 10

Materials readiness

10

Every material line on the scope, what is ordered and when it arrives, against the day the work needs it: the levelled start of its operation, less the days to kit. Late and unordered materials are flagged long before the work reaches them.



Materials readiness: ready, on order, late and not ordered, and the lines that need attention with their purchase order, vendor and need date.

From SAP, weekly or live

Upload the weekly purchasing report from SAP (ME2N, ME80FN, IW3M or your own; the columns are found by their headings) until a live connection is agreed with IT. Nothing else changes when it is.

Need dates from the program

Each line is needed at the levelled start of its operation less the kitting days, so a program change moves the need dates with it.

Long lead and late

Non-stock items with no purchase order close to their need date are flagged as long lead; deliveries after the need date show how many days late.

Hold the work for them

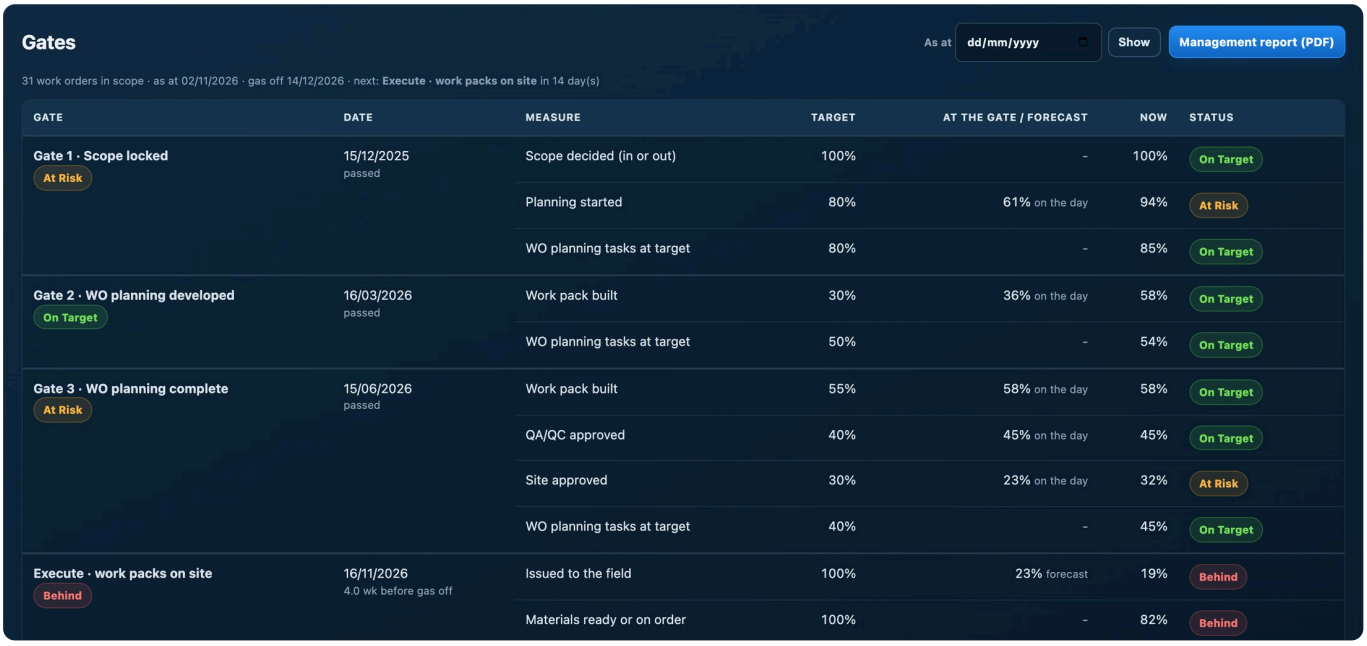
Optionally, an operation waits for its late materials plus kitting, so the program shows what a late delivery does to gas on.

MODULE 11

Readiness by gate, for management

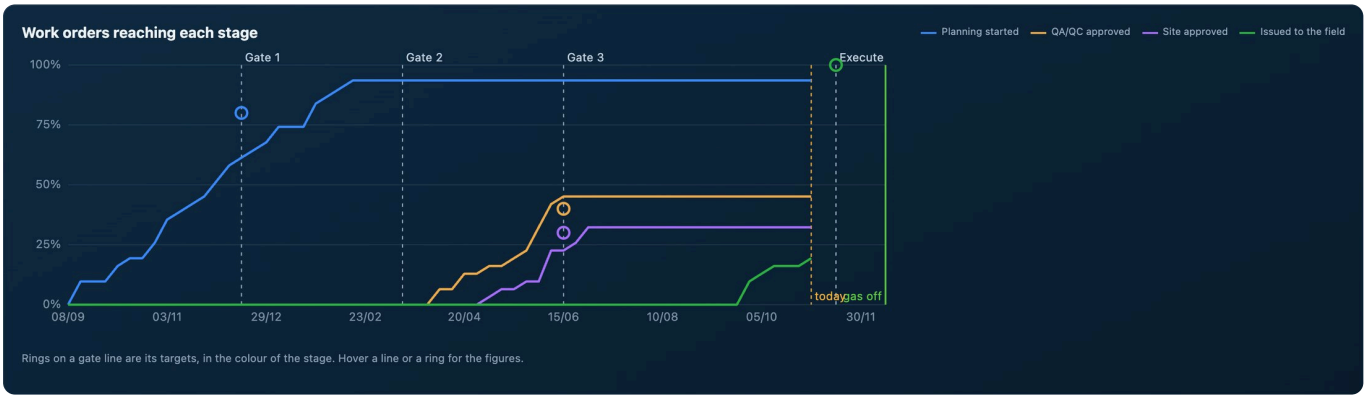
11

The gates follow your event phases: Gate 1 a year before execution, Gate 2 at nine months, Gate 3 at six and the work packs on site four weeks out (or your own). Each has targets for the scope planned, built, approved and issued, materials, resource readiness and the work orders' planning tasks. A passed gate shows what was reached on the day; one to come, where the current rate will put it.

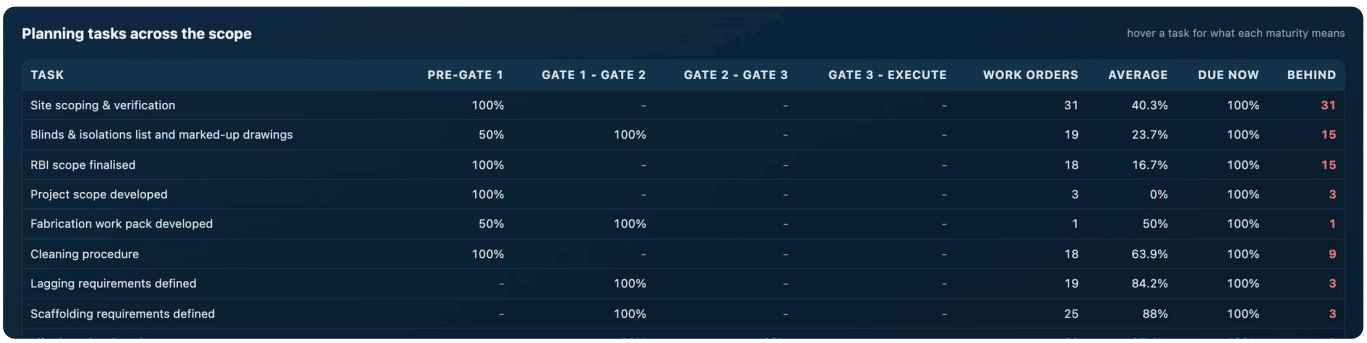


GATE	DATE	MEASURE	TARGET	AT THE GATE / FORECAST	NOW	STATUS
Gate 1 · Scope locked (At Risk)	15/12/2025 passed	Scope decided (in or out)	100%	-	100%	On Target
		Planning started	80%	61% on the day	94%	At Risk
		WO planning tasks at target	80%	-	85%	On Target
Gate 2 · WO planning developed (On Target)	16/03/2026 passed	Work pack built	30%	36% on the day	58%	On Target
		WO planning tasks at target	50%	-	54%	On Target
Gate 3 · WO planning complete (At Risk)	15/06/2026 passed	Work pack built	55%	58% on the day	58%	On Target
		QA/QC approved	40%	45% on the day	45%	On Target
		Site approved	30%	23% on the day	32%	At Risk
		WO planning tasks at target	40%	-	45%	On Target
Execute · work packs on site (Behind)	16/11/2026 4.0 wk before gas off	Issued to the field	100%	23% forecast	19%	Behind
		Materials ready or on order	100%	-	82%	Behind

Every gate with its date, targets, what was reached on the day or the forecast, and the status, ready for the management report.



Work orders reaching each stage, week by week, with each gate's targets marked on its date.



TASK	PRE-GATE 1	GATE 1 - GATE 2	GATE 2 - GATE 3	GATE 3 - EXECUTE	WORK ORDERS	AVERAGE	DUE NOW	BEHIND
Site scoping & verification	100%	-	-	-	31	40.3%	100%	31
Blinds & isolations list and marked-up drawings	50%	100%	-	-	19	23.7%	100%	15
RBI scope finalised	100%	-	-	-	18	16.7%	100%	15
Project scope developed	100%	-	-	-	3	0%	100%	3
Fabrication work pack developed	50%	100%	-	-	1	50%	100%	1
Cleaning procedure	100%	-	-	-	18	63.9%	100%	9
Lagging requirements defined	-	100%	-	-	19	84.2%	100%	3
Scaffolding requirements defined	-	100%	-	-	25	88%	100%	3

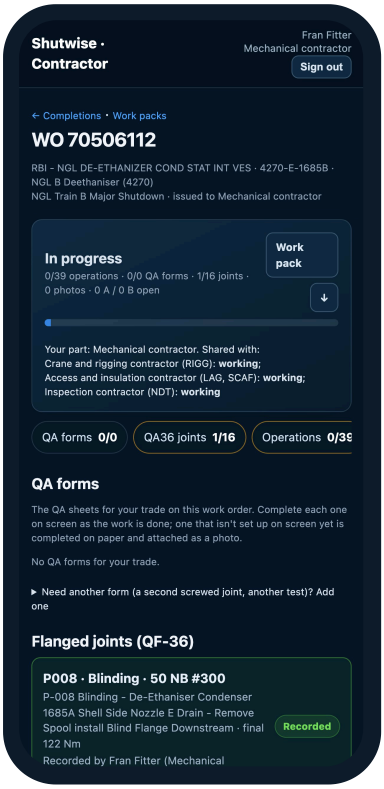
WO development NEW each work order's planning type gives its planning tasks (site scoping, blinds list, RBI scope, lift plans, QA forms, drawings and the rest), with the maturity due at each gate, read from the pack wherever Shutwise can see it.

MODULE 12

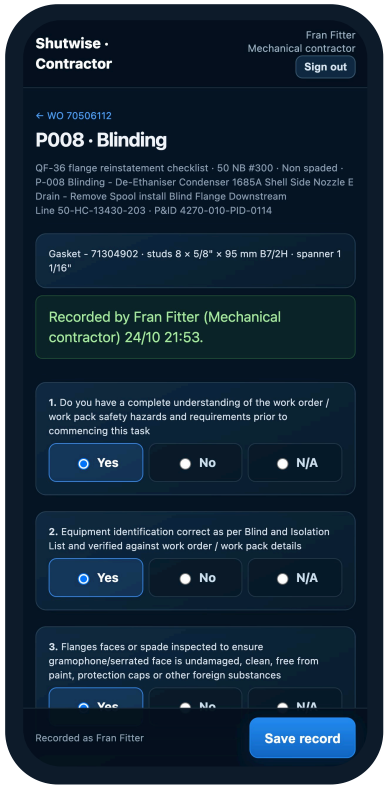
Field completion on a phone or tablet

12

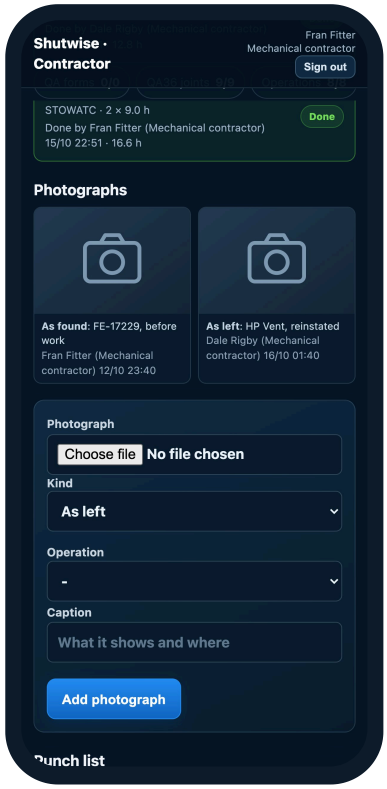
The contractor's supervisors complete each work order where the work is done: operations signed off as they finish with the crew hours they took, the QA forms, the reinstatement record for every joint, photographs as found and as left, and a punch list. The record is typed, time-stamped and checked as it is entered, so it doesn't depend on handwriting, can't get lost and can't be filled in out of order.



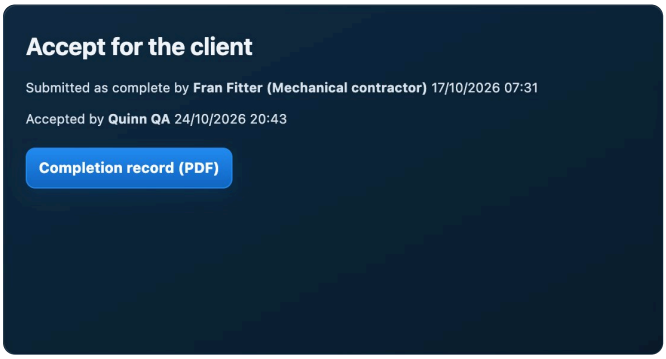
The work order: its part, QA forms, joints and operations.



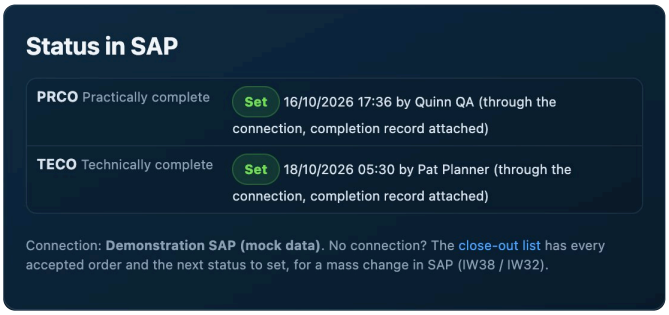
The joint record: checklist, gaps, torque, MAC tag.



Photographs as found and as left, against the operation.



The client's representative accepts the record or returns it with a note.



PRCO on acceptance, then TECO: through SAP, or by hand from the close-out list.

Checked as it is entered

A joint stays open with a No answer, low final torque or no MAC tag. The work is submitted once the critical operations, every QA form and every joint are recorded and no A item is open; post-shutdown work follows as B items.

The contractor shows, the client accepts

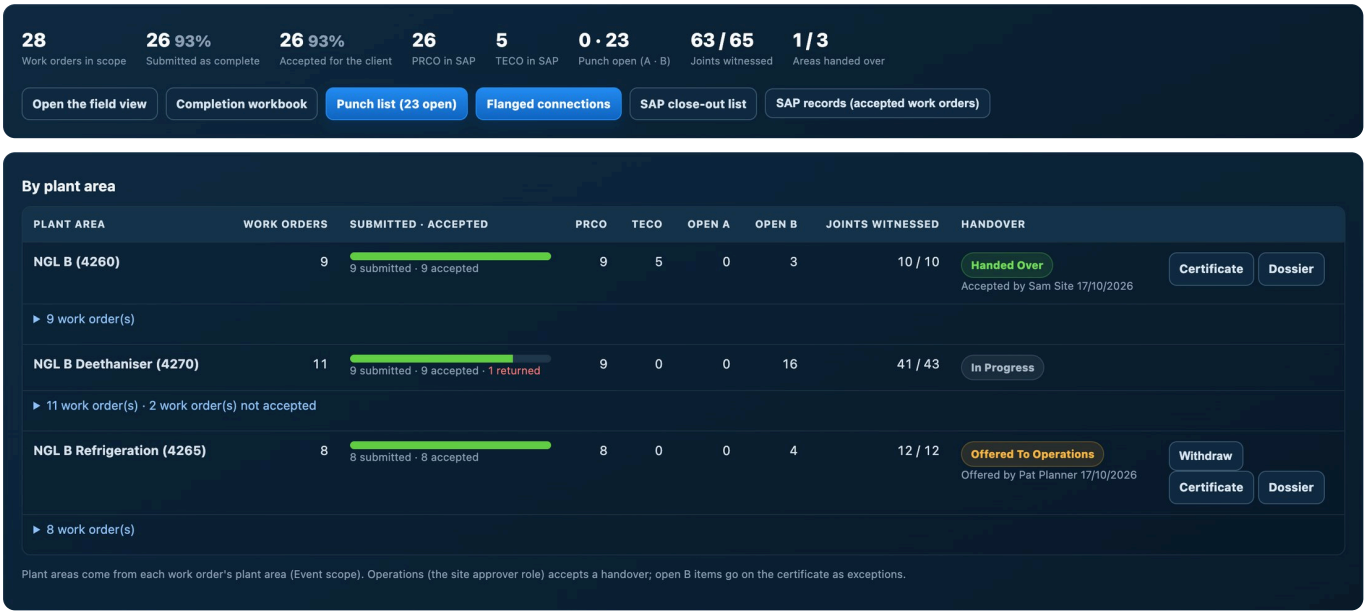
The contractor submits the work as complete; the client's QA/QC or site representative accepts it, which files the completion record in the pack and sets the order practically complete in SAP.

MODULE 13

Completion and handover to operations

13

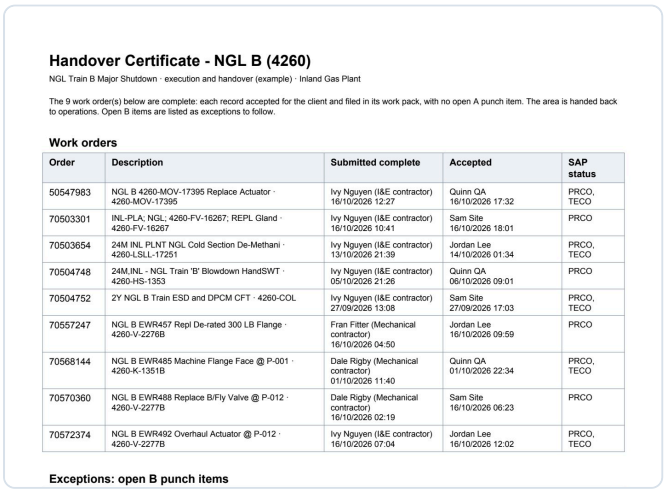
Completion across the shutdown, plant area by plant area. When every order in an area is accepted with no open A item, the shutdown team offers it to operations, who accept it and start up, with B items such as warm insulation and scaffold strip to follow.



Work orders submitted, accepted, practically and technically complete in SAP, punch items and joints witnessed, by plant area: one area handed over, one offered to operations, one still in progress.



The live register of flanged connections **NEW** every joint as the field record stands, made up, witnessed and leak tested, and every blind in or out, by plant area.



Handover Certificate - NGL B (4260)

NGL Train B Major Shutdown · execution and handover (example) · Inland Gas Plant

The 9 work order(s) below are complete: each record accepted for the client and filed in its work pack, with no open A punch item. The area is handed back to operations. Open B items are listed as exceptions to follow.

Work orders

Order	Description	Submitted complete	Accepted	SAP status
50547983	NGL B 4260-MOV-17395 Replace Actuator · 4260-MOV-17395	Ivy Nguyen (I&E contractor) 16/10/2026 12:27	Quinn QA 16/10/2026 17:32	PRCO, TECO
70503301	INL-PLA; NGL; 4260-FV-16267; REPL Gland · 4260-FV-16267	Ivy Nguyen (I&E contractor) 16/10/2026 10:41	Sam Site 16/10/2026 18:01	PRCO
70503654	24M INL PLNT NGL Cold Section De-Methani · 4260-LSLL-17251	Ivy Nguyen (I&E contractor) 13/10/2026 21:39	Jordan Lee 14/10/2026 01:34	PRCO, TECO
70504748	24M.INL - NGL Train 'B' Blowdown HandSWT · 4260-HS-1353	Ivy Nguyen (I&E contractor) 05/10/2026 21:26	Quinn QA 06/10/2026 09:01	PRCO
70504752	2Y NGL B Train ESD and DPCM CFT · 4260-COL	Ivy Nguyen (I&E contractor) 27/09/2026 13:08	Sam Site 27/09/2026 17:03	PRCO, TECO
70557247	NGL B EWR457 Repl De-rated 300 LB Flange · 4260-V-2276B	Fran Fitter (Mechanical contractor) 16/10/2026 04:50	Jordan Lee 16/10/2026 09:59	PRCO
70568144	NGL B EWR485 Machine Flange Face @ P-001 · 4260-K-1351B	Dale Rigby (Mechanical contractor) 01/10/2026 11:40	Quinn QA 01/10/2026 22:34	PRCO, TECO
70570360	NGL B EWR488 Replace B/Fly Valve @ P-012 · 4260-V-2277B	Dale Rigby (Mechanical contractor) 16/10/2026 02:19	Sam Site 16/10/2026 06:23	PRCO
70572374	NGL B EWR492 Overhaul Actuator @ P-012 · 4260-V-2277B	Ivy Nguyen (I&E contractor) 16/10/2026 07:04	Jordan Lee 16/10/2026 12:02	PRCO, TECO

Exceptions: open B punch items

The handover certificate

Every work order in the area with who submitted and accepted it and its status in SAP, the open B items as exceptions to follow, and the sign-off by the shutdown team and operations.

The final record for SAP NEW

Per work order or for the whole shutdown: the work order sheet, the load sheet, the pack as issued, every document and the completion record, ready to upload.

A punch list with criteria NEW

Every item says what has to be true to close it; the client accepts it against that or reopens it.

BUILT FOR THE SHUTDOWN TEAM

Fits the way your site already works

Your standard, not ours

Check sheets per work pack type, review stages, QA forms, flange data, estimating norms, readiness gates, your own SAP status codes and your logos are configured to your site, so every pack and every record follows your standard.

Works with SAP PM today

Work orders read from SAP or their prints; planning back as a load sheet; purchasing status from the weekly report; PRCO and TECO from a close-out list; the final record as an upload. A live connection uses SAP's published maintenance order services when your IT enables it.

Primavera P6, both ways

The program opens in P6 with calendars, WBS, relationships and resources, and the updated program comes back with its progress. Estimate, registers and reports open in Excel.

Secure and accountable

Sign in with your Microsoft work account; contractors see only their own work; named sign-off at every step and a change log on every pack; each client in its own environment, designed to be hosted in Australia (AWS Sydney).

What comes out of it

- **Work packs** to your standard, and a **contractor copy** for each contractor
- **Trade registers**, the **MAC tag register** and the live flange register
- **Primavera P6 program** (.xer), and its progress back
- **Contractor timesheet registers** for SiteControl
- **Readiness by gate** report and WO development
- **The contractor portal**: packs, QA forms, joint records and punch list
- **SAP planning load**, PM development sheets and the final record
- **Estimate**, baselines and the **change register**
- **Materials readiness** and the camp and flights plan
- **Completion records**, handover certificates and dossiers

Early access

Shutwise is in pre-release. We are working with a small number of operators and maintenance teams ahead of its release: a walkthrough on your own shutdown scope, configured to your work pack standard, estimating norms and gates. If your next shutdown or turnaround is on the horizon, we would like to hear from you.

Aaron Maddern
Maddern Capital & Projects
mcpx.com.au

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PROJECTS I SHUTDOWNS I ENGINEERING

Screens show example data. Shutwise is pre-release software and features may change before release. © 2026 Maddern Capital & Projects Pty Ltd.