

AI Asterion | TurnSure

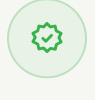
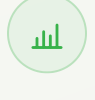
Shutdown & Turnaround Assurance

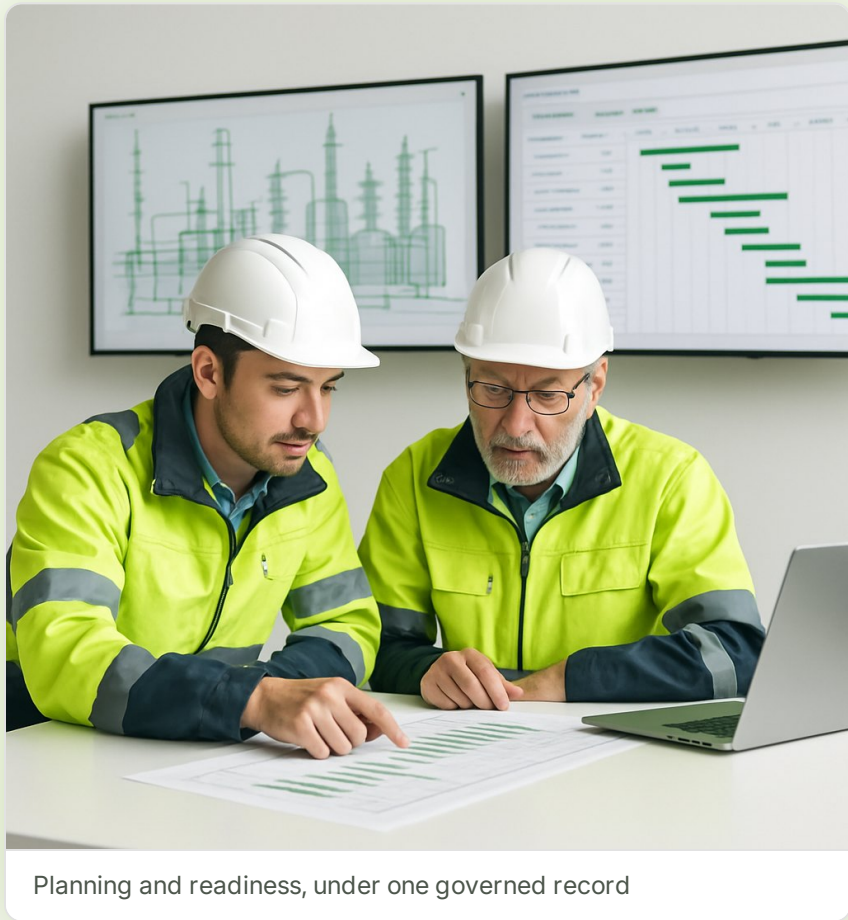
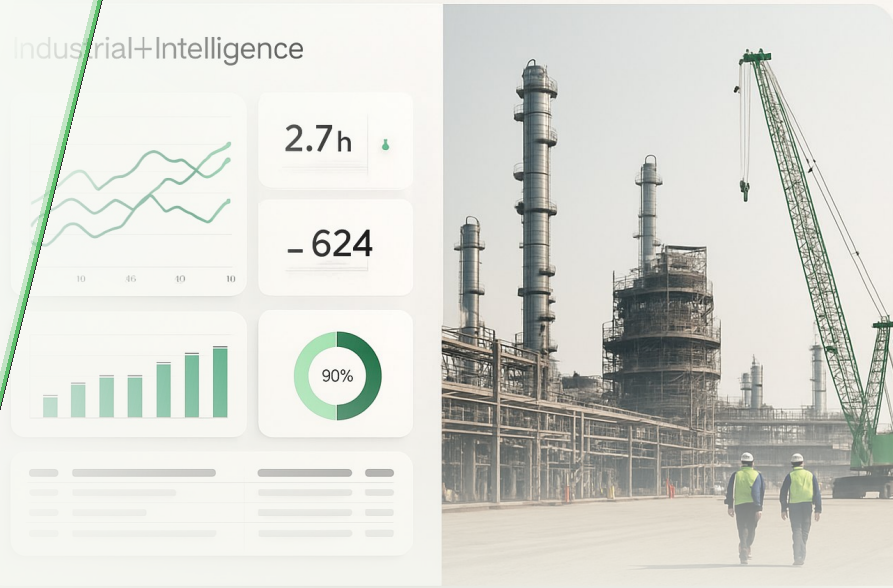
Structured governance from planning to start-up — so every turnaround delivers its objectives.



EXECUTIVE SUMMARY

TurnSure brings structured governance to plant shutdowns and turnarounds — from scope definition through execution monitoring and post-event review. One controlled record replaces spreadsheets and verbal handovers.

-  Scope is captured, approved and traceable from initial request to executed task, so work growth stays controlled.
-  Readiness is scored and gated at each phase, so shutdowns start on evidence rather than optimism.
-  Execution is monitored in real time against the baseline, so variance is caught early enough to correct.
-  Governance is auditable end to end, aligned to recognised industry frameworks.



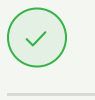


WHAT TURNSURE DELIVERS

- 1 Controlled scope and work pack governance
- 2 Evidence-based readiness scoring and gate reviews
- 3 Resource planning matched to defined scope
- 4 Real-time execution and variance visibility
- 5 Structured post-shutdown review and lessons learned
- 6 Audit-grade governance across the event



OUTCOMES FOR THE BUSINESS

-  Fewer cost overruns and schedule breaches
-  Start-date certainty backed by readiness evidence
-  Faster response to emerging execution risk
-  A defensible governance trail for every decision

The Cost of an Unmanaged Turnaround

A single overrun can erase the value of a year's production. Yet most organisations still plan multi-million-pound shutdowns with spreadsheets and verbal handovers.

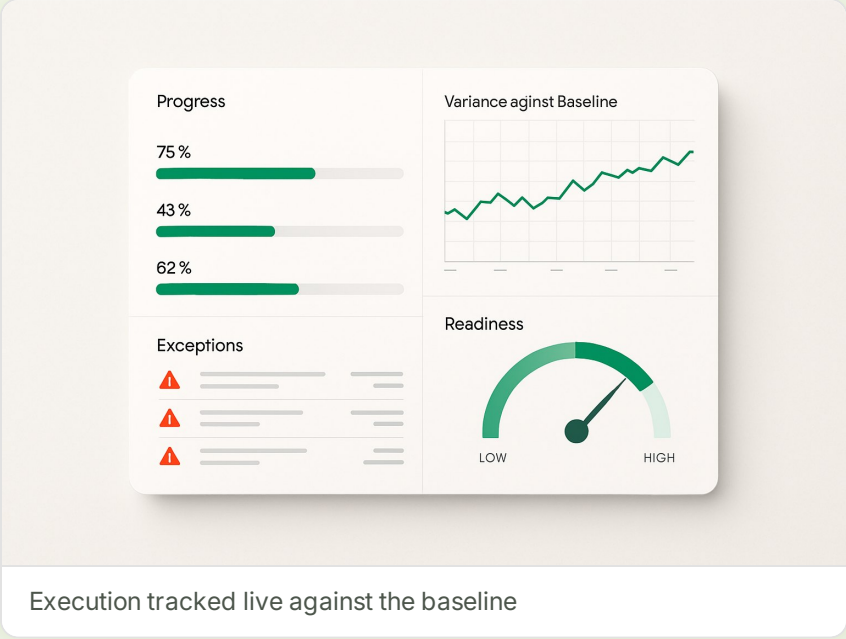


60%+ of turnarounds breach budget or schedule	20–35% budget overrun reduction through scope control	35% reduction in cost overruns vs industry average
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Where Turnarounds Go Wrong

The failures are predictable — and they compound. Each gap at planning stage becomes a cost surprise during execution.

-  Inadequate scope definition at planning stage, so work grows uncontrolled once the plant is open.
-  Poor readiness assessment before execution, so gates are passed on optimism, not evidence.
-  Limited real-time visibility during execution, so variance surfaces too late to recover.
-  Spreadsheets and verbal handovers in place of a single, governed source of truth.

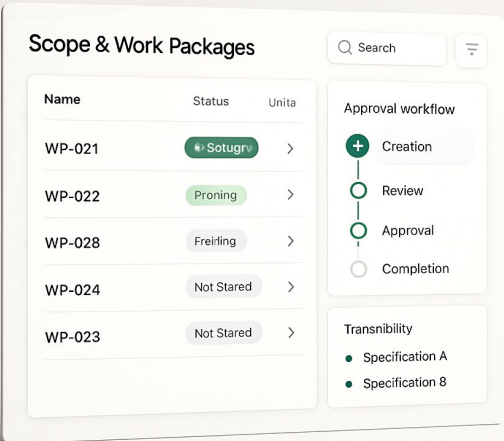


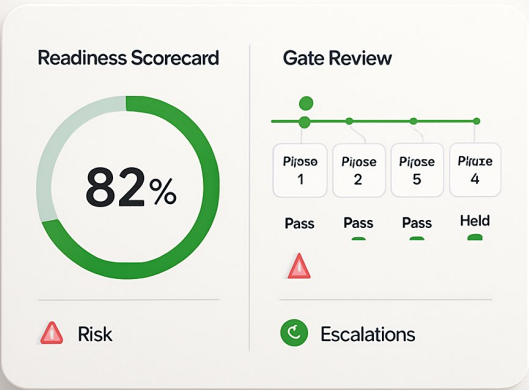
Governance from planning to start-up

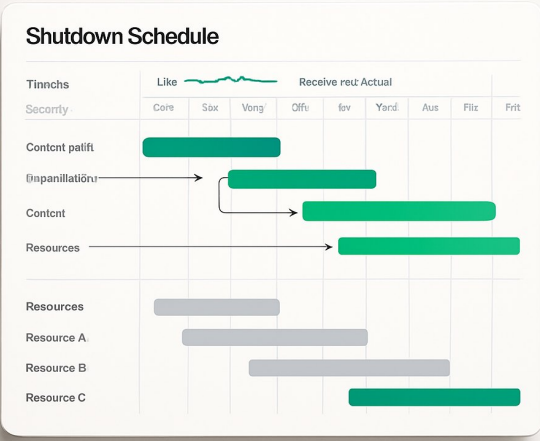
Six Integrated Capabilities.

One Governance Platform.

TurnSure runs the full turnaround lifecycle on one platform — connecting scope, readiness, resources, schedule and execution to a single, auditable record.







- 1 Scope & Work Packs
- 2 Readiness & Gate Reviews
- 3 Schedule & Progress

CAPABILITY

DECISION ENABLED

1

Scope & work pack management

Structured scope capture, work pack creation, approval workflows and traceability

→

Is the scope defined, approved and traceable?

2

Readiness assessment & gate reviews

Configurable readiness scorecards, automated gating, risk flags and escalation

→

Is the shutdown truly ready to start?

3

Resource planning & allocation

Labour, equipment and contractor needs modelled against scope with conflict detection

→

Are the right resources committed and available?

CAPABILITY

DECISION ENABLED

4

Schedule planning & control

Critical-path planning, constraint management and dependency tracking against the baseline

→

Where is the critical path and what threatens it?

5

Execution monitoring & progress

Real-time dashboards, variance analysis and exception reporting against the plan

→

Is execution tracking to plan?

6

Post-shutdown review

Structured post-event review with cost and schedule variance and lessons learned

→

What do we carry into the next shutdown?

 CORE DECISIONS SUPPORTED

 Control scope and cost

 Prove readiness before start

 Commit the right resources

 Catch variance early

 Carry lessons forward

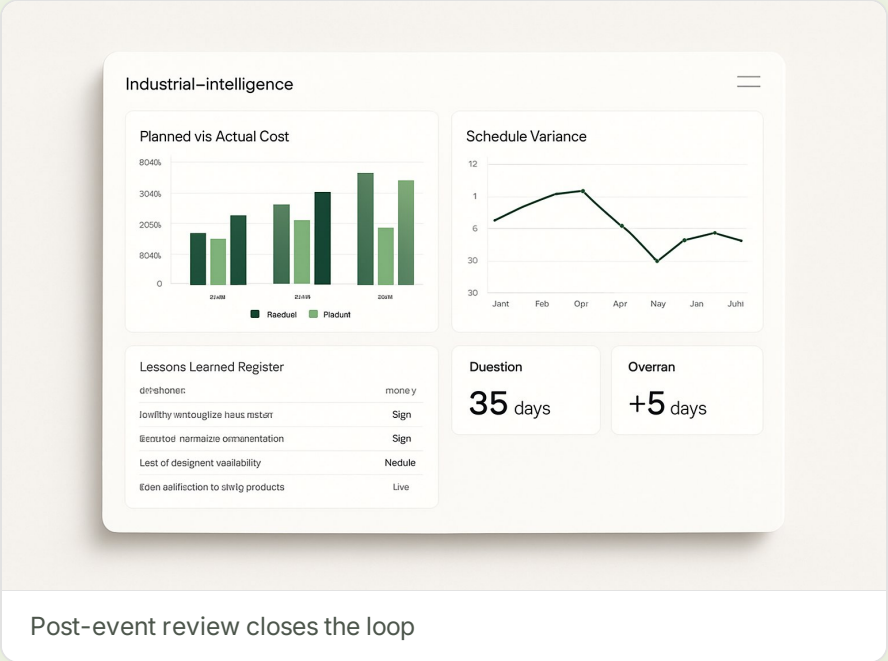
Built to Fit Your Suite — and Your Standards

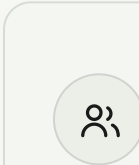
TurnSure works standalone and grows stronger inside the Asterion suite, sharing data across reliability, assets and workforce — and governed to frameworks your auditors already recognise.

CONNECTED ACROSS ASTERION

Data flows between modules so scope, resources and priorities stay aligned automatically.

- 
- ReliCore → TurnSure: failure predictions and asset criticality drive shutdown scope priorities and work pack generation.
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- AssetVault → TurnSure: asset hierarchy and documentation feed scope definition and work pack planning.
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- TurnSure → CrewOptix: resource requirements pull workforce availability and competency data for optimised allocation.

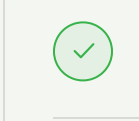




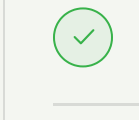
BUILT FOR TURNAROUND LEADERS



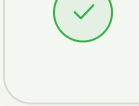
Turnaround Manager — end-to-end shutdown governance



Planner / Scheduler — schedule, resources and readiness



Operations Manager — execution and production impact



HSE Manager — permit and safety compliance



ALIGNED TO GLOBAL STANDARDS



1 SMRP Body of Knowledge



2 CCPS process safety guidelines



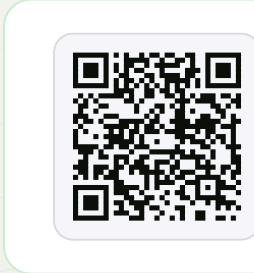
3 API RP 754 performance indicators



4 PMI PMBOK project governance



EVERY TURNAROUND, GOVERNED AND DELIVERED ON PLAN.



Scan to explore TurnSure online →
<https://aiasterion.com/modules/turnsure.html>

