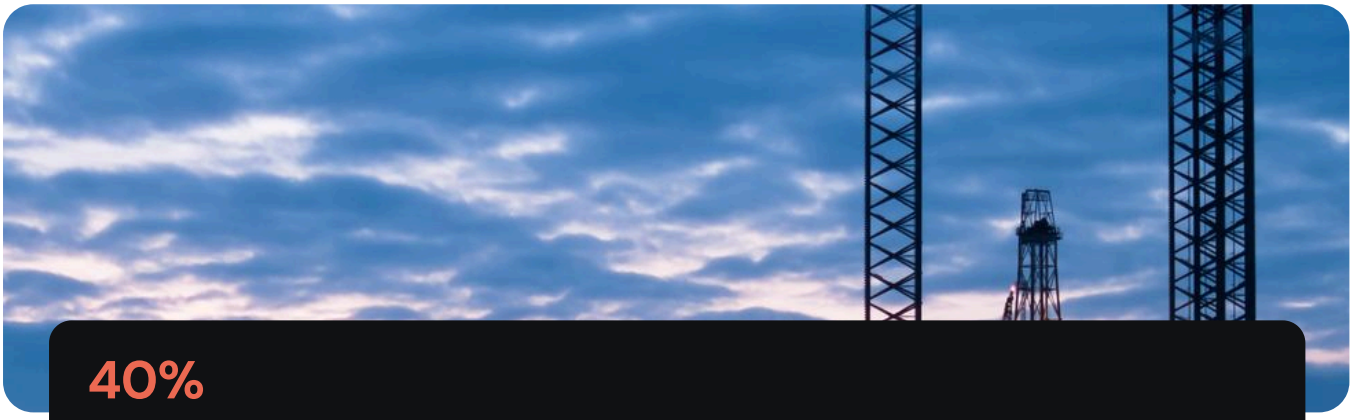
Oil & Gas | UAE

An Abu Dhabi energy company raised safety-critical maintenance compliance by 40%

An Abu Dhabi energy company put fire pumps, shutdown valves and gas detectors at its wellsites on planned maintenance, with evidence captured on every task and any deferral approved on record.



40%
better maintenance compliance

AT A GLANCE

INDUSTRY
Oil & Gas

REGION
Abu Dhabi, UAE

SIZE
Large energy enterprise

LOCATIONS
Many remote wellsites

FEATURES USED
Maintenance | Work | Platform

01 The client

The client is a large energy company headquartered in Abu Dhabi, with critical assets spread across remote field sites and a central maintenance function.

At every wellsite, a set of safety-critical equipment stands between a fault and an incident: firewater pumps, emergency shutdown valves, gas detection heads and deluge systems. They rarely operate, so the only proof they will work is regular, recorded testing.

02 The challenge

Test schedules for safety-critical equipment lived in spreadsheets, and evidence came back on paper, if at all. Visits to remote sites were planned one task at a time.

- Service dates for safety-critical items were missed without warning.
- Overdue tests were postponed informally, with no record of who agreed.
- Defects found during tests reached the planners late.
- There was no reliable view of compliance by site for management or auditors.

03 What they set up in Asset Infinity

The company registered each wellsite's safety-critical equipment in Asset Infinity and attached a preventive plan to each item, with test results recorded on the mobile app.

Maintenance

A plan for every safety-critical item

Fire pumps, shutdown valves and gas detectors each carry a dated test plan that raises the work order when due.

Work

One trip, all tasks due

Work orders due at the same wellsite are assigned together to the visiting crew, so a long drive covers everything that site needs.

Maintenance

Proof in the checklist

Test checklists require readings such as valve closure time and detector response, plus photos and a signature, before the task can close.

Platform

Deferrals need approval

A test that cannot be done on time goes through an approval step, so every postponement has a reason and an approver on record.

04 How it works day to day

A round of safety-critical testing at a wellsite now goes like this.

MAINTENANCE PLANNER

Reviews what falls due

The planner sees every test due at each wellsite over the coming weeks, raised by the preventive plans.

MAINTENANCE PLANNER

Builds the site visit

All tasks due at one wellsite are assigned to the same crew for the same trip, with checklists attached.

FIELD STOREKEEPER

Issues the parts

Seals, filters and detector heads needed for the visit are issued from the field store to the work orders.

INSTRUMENT TECHNICIAN

Tests and records

On site, the technician scans each item, carries out the test and enters readings, photos and a signature on the mobile app.

SYSTEM

Turns a failure into work

A failed test raises corrective work for that valve or detector, so the defect is tracked to closure.

FIELD SUPERINTENDENT

Approves any deferral

If a test cannot be done, the request to defer it comes to the superintendent with a reason and is approved or refused on record.

ASSET INTEGRITY MANAGER

Reports compliance

Dashboards show completed, overdue and deferred tests by site and equipment class for management and auditors.

05 Before and after

	BEFORE	WITH ASSET INFINITY
Test schedules	Spreadsheets, often missed	A preventive plan on every item
Site visits	One task per trip	All tasks due at a site in one visit
Evidence	Paper, if returned	Readings, photos and signatures on the record
Postponements	Agreed informally	Approved with a reason, on record
Defects	Reached planners late	Raised as corrective work at once
Compliance view	Unreliable	By site and equipment class

06 How it rolled out

1

Practices and history. Existing maintenance practices were reviewed, and legacy service records moved onto each item of equipment.

2

Schedules configured. Maintenance categories, schedule rules and site-wise workflows were set up for each service function.

3

Field crews trained. Maintenance and operations teams had hands-on sessions, followed by a support plan with regular reviews.

07 The results

- Safety-critical tests completed on schedule across field sites
- Evidence for every test held on the equipment record
- Every postponement approved and recorded
- Fewer unplanned service gaps and delays
- Better continuity in the field through timely maintenance

08 Why it worked

Evidence, not ticks

Required readings mean a test cannot be closed without the numbers that prove it was done.

Remote sites, fewer trips

Grouping due work by wellsite makes each long drive count.

No silent postponements

The approval step turns a quiet slip into a visible decision with someone accountable for it.

09 Looking ahead

With every safety-critical item on a plan and every test backed by recorded evidence, the company can show at any time which wellsites are fully tested and which need attention.

The test history now on each item also shows which equipment fails its tests most often, information the reliability team can use to decide what to replace or test more often.

See it on your own assets

A 30-minute demo, set up for an oil and gas or energy operator.

The client's name is withheld for confidentiality. Results are as reported by the client.

Book a demo

Start a 14-day free trial