Oil & Gas | Global

An oil and gas operator cut unplanned downtime by 30% by managing asset risk

A large oil and gas organization brought asset condition, maintenance history, valuations and compliance records into one system, so high-risk assets are found and handled before they fail.



30%
reduction in unplanned downtime

AT A GLANCE

INDUSTRY
Oil and gas

SIZE
Large

LOCATIONS
Multiple operational sites

PREVIOUSLY
Reactive maintenance, scattered records

FEATURES USED
Assets | Maintenance | Finance

01 The client

The client is a large oil and gas organization managing critical assets across several operational sites, in a safety-critical environment.

In this sector an asset failure can bring severe financial, environmental and regulatory consequences. The organization needed to see risk early and prove compliance at any time.

02 The challenge

Limited visibility into asset condition, rising unplanned downtime and growing compliance pressure made it hard for the organization to control asset risk.

- High unplanned downtime from reactive maintenance and missed early warnings.
- Limited visibility into asset condition delayed spotting failure risks.
- Inaccurate asset valuation affected insurance alignment and financial exposure.
- Audit-ready compliance records were hard to keep across distributed assets.

03 What they set up in Asset Infinity

The organization configured Asset Infinity to bring condition, maintenance, valuation and compliance for its critical assets into one place.

Assets

Condition and risk in the register

Each critical asset carries its condition and risk indicators as fields in the register, visible across all operational sites.

Maintenance

History that points to risk

Maintenance history, inspection scores and reliability reports show which assets fail most and which are trending toward failure, so they get attention first.

Finance

Current asset values

Regular depreciation runs keep each asset's value up to date, giving a sound basis for aligning insurance cover with real exposure.

Maintenance

Inspections and certifications

Inspections are digital checklists, and certificates and audit evidence are attached to each asset, fully traceable for auditors.

04 How it works day to day

Here is how asset risk is managed day to day now.

INSPECTOR

Inspects the asset

On the mobile app, the inspector completes a scored checklist with readings and photos, and the result is recorded against the asset.

SYSTEM

Turns a failed check into work

A failed inspection item can raise a corrective work order, so a problem found is followed up rather than noted and forgotten.

RELIABILITY ENGINEER

Reviews high-risk assets

Reports on failure history and inspection scores show which assets are most at risk, and their preventive plans are adjusted.

TECHNICIAN

Carries out the work

The technician completes the work order and attaches evidence, adding to the asset's history.

COMPLIANCE OFFICER

Keeps certificates current

Certifications and audit evidence are attached to each asset, so the record is ready when auditors ask.

FINANCE TEAM

Updates asset values

Depreciation runs keep each asset's value current, and the figures are used to review insurance cover.

OPERATIONS MANAGER

Uses history in an incident

When something goes wrong, the asset's full history is one search away, which speeds decisions.

05 Before and after

	BEFORE	WITH ASSET INFINITY
Maintenance	Reactive, missed early warnings	High-risk assets found from history and inspections
Asset condition	Limited visibility	Condition and risk recorded for each asset
Asset values	Inaccurate, insurance misaligned	Kept current by depreciation runs
Compliance records	Hard to keep audit-ready	Inspections and certificates on each asset
Unplanned downtime	High and rising	Down 30%

06 How it rolled out

1

Critical assets defined. The organization identified its critical assets and the risk indicators to record for each.

2

Records centralized. Maintenance history, inspections, certifications and values were brought into one register.

3

Inspections digitized. Inspection checklists moved to the mobile app, with evidence attached to each asset.

07 The results

- Faster incident response from centralized asset history
- Fewer insurance coverage gaps from accurate asset values
- Shorter audit preparation through traceable records
- High-risk assets identified before they fail
- Lower losses from emergency repairs, penalties and unplanned shutdowns

08 Why it worked

Risk seen early

Maintenance and inspection history point to failing assets before they stop production.

One record per asset

Condition, history, value and certificates sit together, so operations, finance and compliance agree.

Evidence collected as work is done

Inspections and certificates are attached at the time, so audit preparation is short.

09 Looking ahead

With condition, history, values and compliance for every critical asset in one place, the organization can act on risk early, which cut unplanned downtime by 30% and strengthened compliance.

The same records support decisions during incidents and audits, which matter as much as uptime in a safety-critical operation.

See it on your own assets

A 30-minute demo, set up for an oil and gas 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