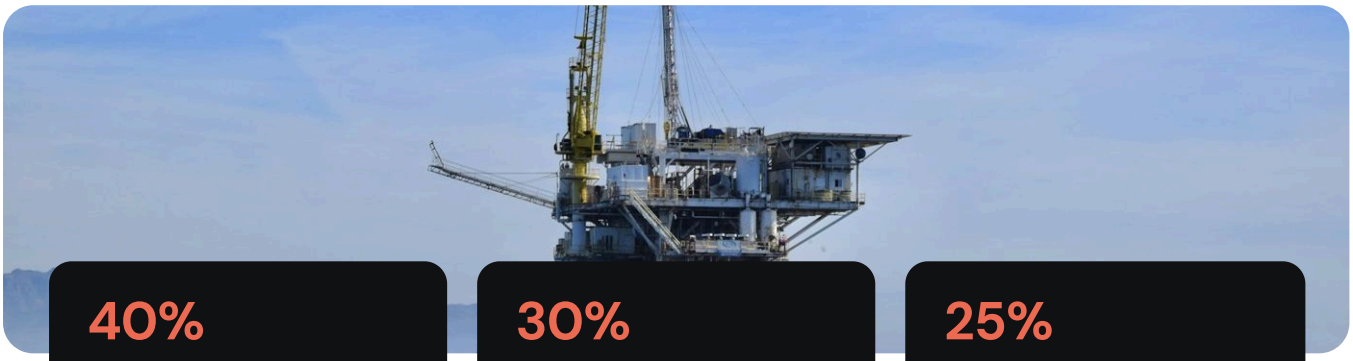
Oil & Gas | Global

An offshore oil rig operator cut inspection time by 40% with mobile checklists

An oil and gas company replaced paper inspections on its offshore rig with mobile checklists, photos and a live findings dashboard, so issues reach onshore teams quickly.



40%
less time per inspection

30%
better data accuracy than paper

25%
faster resolution of critical issues

AT A GLANCE

INDUSTRY
Oil and gas

SIZE
Large

LOCATION
Offshore oil rig

PREVIOUSLY
Paper inspections

FEATURES USED
Maintenance | Work | Insight

01 The client

The client is a large oil and gas company operating an offshore oil rig.

Regular, thorough inspections keep the rig safe and running. They had been done on paper, which made them slow, error-prone and hard to analyze, and limited connectivity on the rig made collecting and reporting data harder still.

02 The challenge

Paper inspections took too long and produced data that was hard to trust or analyze. Findings reached onshore teams late, so critical issues waited.

- Paper inspections were time-consuming.
- Manual records led to errors and discrepancies.
- Inspection data could not be analyzed in real time.
- Findings took too long to reach off-site teams.

03 What they set up in Asset Infinity

The company moved its rig inspections into Asset Infinity, with inspectors using the mobile app and managers watching findings on a dashboard.

Maintenance

Inspection checklists

Inspections follow scored checklists with required fields, readings and signatures, so every inspector records the same things.

Maintenance

Photos on every finding

Inspectors capture photos and observations against each item, which gives off-site teams a clear picture.

Work

Failed checks become work

A failed check can raise a corrective work order, so a critical issue goes straight to the people who fix it.

Insight

Findings dashboard

A dashboard shows inspection findings as they are submitted, supporting quick decisions and follow-up.

04 How it works day to day

Here is how an inspection now runs on the rig.

SYSTEM

Schedules the inspection

Inspection plans by date create the inspection and assign it to an inspector.

INSPECTOR

Works through the checklist

On the mobile app, the inspector completes each item. Required fields, readings and signatures cannot be skipped.

INSPECTOR

Records evidence

Photos and observations are attached to the items they belong to, so the finding is clear to anyone reading it.

SYSTEM

Raises corrective work

A failed check raises a corrective work order for the maintenance team.

OFF-SITE TEAM

Reviews findings

The dashboard shows submitted findings and photos, so off-site engineers can advise and decide quickly.

MAINTENANCE TEAM

Fixes and closes

The team completes the corrective work and closes it, adding to the asset's history.

05 Before and after

	BEFORE	WITH ASSET INFINITY
Inspection method	Paper forms	Mobile checklists
Time per inspection	Slow	40% less time
Data accuracy	Errors and discrepancies	Required fields, 30% more accurate
Evidence	Written notes	Photos on each finding
Critical issues	Reported late	Corrective work raised, 25% faster resolution
Analysis	Not possible in real time	Live findings dashboard

06 How it rolled out

1

Needs assessed. The client and the Asset Infinity team mapped inspection workflows and rig requirements.

2

Checklists configured. Inspection checklists, photo capture and reporting were set up to match the client's processes.

3

Inspectors equipped. Inspectors received the mobile app on their devices and began inspecting with it.

07 The results

20% increase in overall operational efficiency

- More inspections completed in the same timeframe.
- Better communication between on-site inspectors and off-site teams.
- Less administrative work after each inspection.

08 Why it worked

Same checks every time

Checklists with required fields make inspections consistent, whoever does them.

Pictures travel well

Photos on each finding let off-site teams understand an issue without going offshore.

Findings lead to action

A failed check becomes a work order, so nothing found in an inspection is left waiting.

09 Looking ahead

By replacing paper with mobile checklists, the company cut inspection time by 40% and improved data accuracy by 30% on its offshore rig.

Findings with photos now reach off-site teams quickly, and critical issues are addressed 25% faster, which matters most where safety is at stake.

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