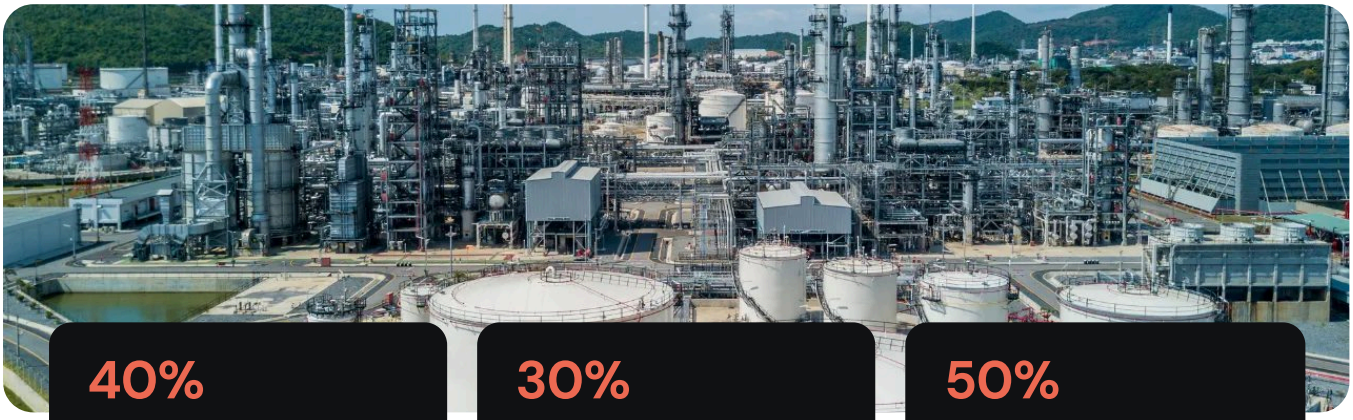
Oil & Gas · USA

An oil and gas company cut breakdown downtime by 40% in six months

A mid-sized oil and gas company in Houston replaced spreadsheets and reactive repairs with one system for asset tracking, preventive maintenance, spare parts and reporting.



40%
less downtime from unexpected breakdowns, within six months

30%
lower inventory costs

50%
less time spent producing reports

AT A GLANCE

INDUSTRY
Oil & Gas

REGION
Houston, USA

SIZE
Mid-sized

PREVIOUSLY
Spreadsheets and reactive maintenance

FEATURES USED
Assets · Maintenance · Stores · Insight

01 The client

The client is a mid-sized oil and gas company based in Houston, Texas, operating a diverse range of oil and gas assets.

Those assets need to be tracked, maintained and reported on, for operations and for regulators. Before the change, each of those jobs ran on its own spreadsheets, with nothing tying them together.

02 The challenge

Asset management was manual and disjointed. There was no single system for tracking, maintenance and reporting, which led to inefficiency, long downtimes and decisions made on inaccurate data.

- Assets were tracked in spreadsheets, with frequent data discrepancies.
- Maintenance was reactive, so unexpected breakdowns caused operational delays.
- Spare parts were managed by manual counts and guesswork, causing shortages and overstock.
- Reports took a long time because data sat in scattered sources.

03 What they set up in Asset Infinity

The company adopted Asset Infinity to run asset tracking, preventive maintenance, spare parts and reporting in one system, connected to its existing systems.

Assets

Central asset tracking

Every asset is in one register with its location, status and maintenance history, replacing the spreadsheets.

Maintenance

Preventive maintenance

Plans schedule service automatically by usage (meter readings and runtime) or by date, following manufacturer guidelines.

Stores

Spare parts inventory

Spare parts are tracked by storeroom with reorder points and reorder advice, preventing shortages and cutting excess stock.

Insight

Reports for compliance and performance

Configurable reports and dashboards draw on one set of data for regulatory compliance and performance analysis, and can be scheduled.

04 How it works day to day

Here is how assets, maintenance and parts are managed now.

MAINTENANCE PLANNER

Sets preventive plans

Each asset has a plan based on its usage, by meter reading or runtime, or on dates from the manufacturer's guidelines.

SYSTEM

Raises work before failure

When a plan falls due, a work order is created with the asset, its location and the checklist to follow.

TECHNICIAN

Does the work

The technician receives the job on the mobile app, records readings and findings, and closes the work order.

STOREKEEPER

Issues parts to the job

Spare parts are issued against the work order, so stock levels and parts use per asset are always current.

SYSTEM

Advises on reorders

When a part falls to its reorder point, it appears in the reorder advice, so parts are bought as they are needed.

OPERATIONS MANAGER

Checks asset status

The register shows each asset's location, status and maintenance history, without opening a spreadsheet.

COMPLIANCE LEAD

Runs reports

Reports for regulators and for performance reviews come from the same data, on demand or on a schedule.

05 Before and after

	BEFORE	WITH ASSET INFINITY
Asset tracking	Spreadsheets with data discrepancies	One register with location, status and history
Maintenance	Reactive, unexpected breakdowns	Preventive plans by usage or date
Spare parts	Manual counts and guesswork	Reorder points and reorder advice
Stock levels	Shortages and overstocking	Parts issued to jobs, stock always current
Reporting	Slow, from scattered sources	Reports from one set of data, on a schedule
Data entry	Manual, repeated	Connected to existing systems

06 How it rolled out

1

Spreadsheets retired. Asset records moved from spreadsheets into one register with location, status and maintenance history.

2

Plans and stock set up. Preventive plans were built from usage patterns and manufacturer guidelines, and spare parts were given reorder points.

3

Systems connected. Asset Infinity was connected to the company's existing systems so data stayed in step without double entry.

07 The results

25% longer lifespan of critical assets through proactive maintenance

20% higher staff productivity as manual data entry was automated

- Real-time visibility into asset locations, status and maintenance history
- Faster, better-informed decisions from accurate, central data

08 Why it worked

Everything in one system

Assets, maintenance, parts and reports share the same data, so one update reaches every team that needs it.

Maintenance by usage

Plans follow how hard each asset actually works, so service happens before a breakdown.

Fast to show results

Downtime from unexpected breakdowns fell by 40% within the first six months.

09 Looking ahead

By moving from spreadsheets and reactive repairs to one system for assets, maintenance, parts and reporting, the company cut breakdown downtime by 40% within six months.

The same data now serves operations and compliance alike. Maintenance history, parts use and asset status sit in one place, so reports that were slow to assemble now come straight from the system.

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