

Keeping the World Flowing for Future Generations

The actionable insights provided by Rotork's Intelligent Asset Management system drive superior performance of our customer's assets.

Intelligent Asset Management is a cloud-based system that uses Rotork's advanced analytics to predict and prevent asset failures.

The system collects data stored within intelligent actuators, monitors performance levels, identifies critical events and analyses performance trends to create comprehensive maintenance plans.

Intelligent Asset Management

Improved Productivity through Advanced Data Analysis

Immediate Benefits

- Centralised platform that eliminates manual review of data
- Advanced analytics that diagnose likely flow control issues
- Data point monitoring which detects critical events
- Comprehensive reporting of performance data and trends

Long-term and Residual Benefits

- Optimises traceability and operational stability
- Saves time and reduces human error, on-site risk and labour costs
- Prevents costly downtime, asset rebuilds and entire site shutdowns
- Enables remedial action on assets before failure occurs



Intelligent Asset Management

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Cost Analysis Findings

A single failed actuator can result in site-wide shutdowns, costly downtime, safety liabilities and reputational damage. The case study samples below highlight the risk implications customers have faced prior to enabling Rotork's Intelligent Asset Management system.

Situation

Impact 1

Impact 2

Impact 3

AIRPORT PIPELINE (IN PIT)

Main International Airport Fuel Line

Actuator valve failure results in fuel cut-off from airport

Forced to procure third-party fuel at expedited and inflated rates

Liquidated damages contract terms unmet; customer faces reputational damage

£108,000/day downtime cost with exponential increase after the first two days

Situation

Actuator valve failure = £23,000/daydowntime cost

per well

Elevated temp.

caused worm

gear failure

= valve removal

and complete

rebuild

Impact 1

Wellpad with eight idle wells = £184,000/day downtime cost

Impact 2

Labour cost for Coal Seam Gas **E&I** Technicians = £3,790/day

Impact 3

ONSHORE WELL

Productive Coal Seam Gas Remote Wellhead

Situation

Impact 2

Seven hours of downtime = £7,180

Three day downtime cost = £563,370

Impact 3

POWER STATION

High Pressure Steam Valve Isolation

Impact 1

Valve removal (excl. crane hire) = £1.100Actuator rebuild = £1.610

Rotork's predictive maintenance system would have saved this customer £9,350

A full listing of the Rotork sales and service network is available on our website.

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