

**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

**ONSHORE WELL** 

**POWER STATION** 

Valve Isolation

**High Pressure Steam** 

**Productive Coal Seam** 

Gas Remote Wellhead

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/day downtime cost

per well

### **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**

Three day downtime cost = £563,370

### Situation

Elevated temp. caused worm gear failure = valve removal and complete

rebuild

### Impact 1

Valve removal (excl. crane hire) = £1,100 Actuator rebuild = £1,610

### **Impact 2**

Seven hours of downtime = £7,180

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

**Impact 3** 

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

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## rotork

Electric Actuators and Control Systems
Fluid Power Actuators and Control Systems
Gearboxes and Gear Operators
Precision Control and Indication
Projects Services and Retrofit

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