

Intelligent Asset Management

Intelligent Asset Management is part of Rotork's Lifetime Management suite of services. It is available both as a standalone offering and as part of a combined solution to meet individual customer's needs. Performance, process criticality, product and operational data are combined to assess asset condition and determine if any intervention is required to prevent performance degradation or failure. There are flexible options for managing your flow control assets with Intelligent Asset Management.

Actuator Analytics

The manual collection of data logs will generate printed reports for customers.

Offline analysis of actuator data logs

- Usage and condition report
- Predictive diagnostics
- Actionable insight
- Obsolescence report and recommendations
- Advanced Rotork analytics

Site activity includes

- Survey
- Asset register
- Asset criticality review
- Data log collection

Rotork Managed Solution

In addition to printed reports, a Rotork Managed Solution gives access to the Intelligent Asset Management system. Required remedial work can be managed by Rotork Site Services.

Selection of appropriate monitoring system

- Monitoring interval determined
- Actuator analytics benefits
- Expert review of reports
- Required maintenance determined
- Advanced Rotork analytics

Site activity includes

- Survey
- Asset register
- Asset criticality review
- Data log collection
- Completion of required work can be included

Common concerns

- **Costly downtime** →
- **Limited asset knowledge** →
- **High maintenance costs** →
- **Equipment breakdowns** →
- **Limited process visibility** →
- **Obsolescence concerns** →

Benefits of Intelligent Asset Management

- Reduced downtime via increased availability, reliability and operational stability
- Clear view of asset condition, age and life cycle status
- Efficient targeted maintenance
- Predictive maintenance to resolve issues before they escalate
- Anomaly detection to identify issues before failure and proximity of key parameters to trip points
- Life cycle management, decision justification and traceability

Available worldwide

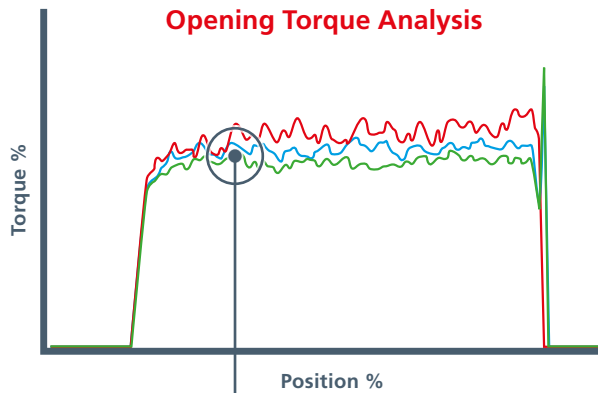
- **High quality actuation**
- **Advanced built-in sensor technology**
- **Quality analytics**
- **Local service delivered worldwide**

PUB056-026-00 Issue 01/21 The services above assumes a minimum 12 month contractual period and service window. This is to ensure the optimum service availability from your Rotork product.

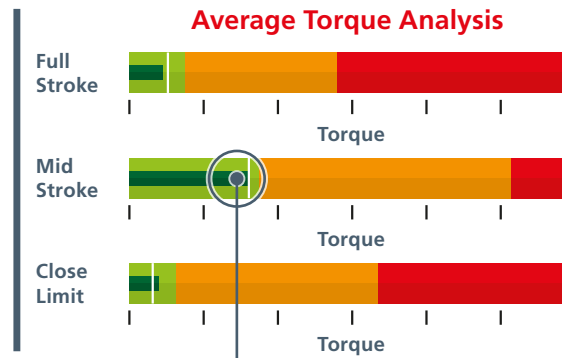
Intelligent Asset Management

Rotork Intelligent Asset Management uses advanced analytics to give actionable insight and recommended actions using a variety of data including from sensors built directly in to the actuator.

Example system analysis and reporting:

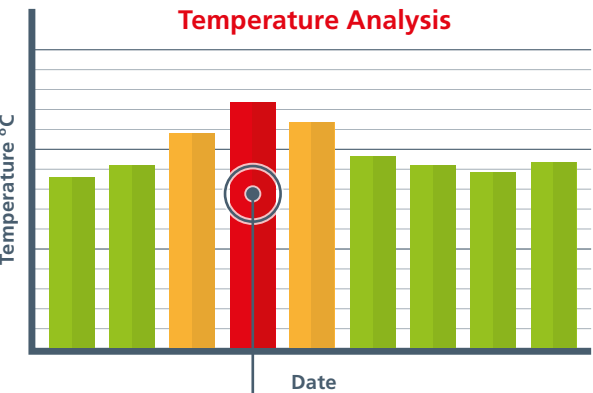


Valve seating, sealing and other mechanical issues can be detected from only subtle changes in torque.



Vibration outside specification can lead to premature failure, but this can be detected and rectified before long term damage and downtime occurs.

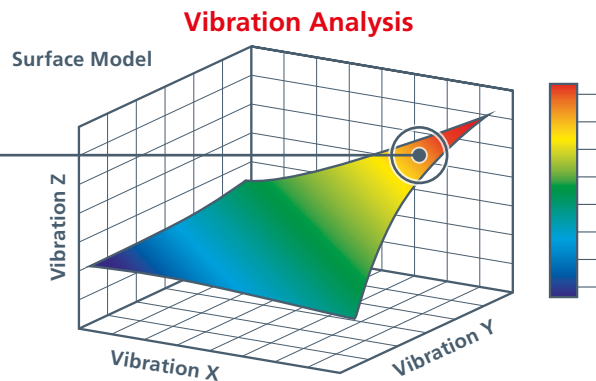
Actuator drive bush, gearbox, motor, bearing and valve issues often appear as changes in average torque. Analysis takes several factors into account when detecting warning or alerts.



Detailed printed reports provide actionable insight, summary of actions required and individual asset performance data.

Maximum temperature analytics allows operators to identify issues related to critical temperatures.

Industry research forecasts a 13.8% cost reduction, based on average customer maintenance spend over a comparable period. Contact your local Rotork office to see how much you could save.



Detailed Printed Reports

