

# Process Live Uptime Assurance for valves

Maximize performance of ORBIT rising stem ball valves

## Applications

- Gas processing plants
- LNG plants
- Refineries
- Petrochemical plants
- Oil and gas production

## How it improves oil, gas, and chemical processing

Process Live Uptime Assurance for valves is an end-to-end service experience that maximizes process valve performance and reliability.

Valve uptime assurance eliminates costly process downtime by delivering real-time insights about valve health to help prevent disruptions before they occur. Valve health insights indicate when a valve component shows signs of excessive wear or damage, triggering inspection, facilitating procurement of spare parts, and enabling efficient service planning. The service also can monitor for leaks to enable rapid remediation and avoid product loss and release of gas to the atmosphere.

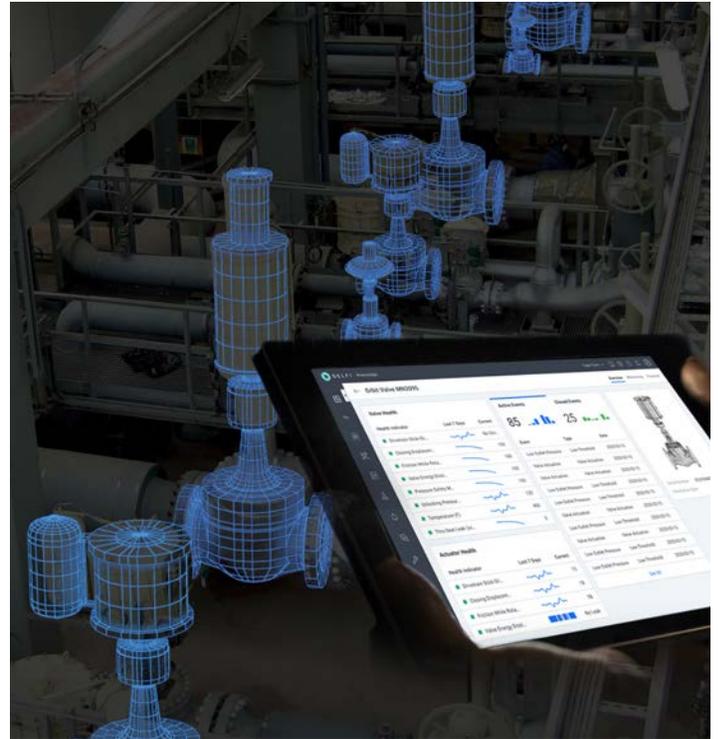
The service also includes recommendations for condition-based maintenance (CBM), which can reduce opex by extending service intervals as compared with timed service intervals that do not reflect actual valve operations.

## How it works

Process Live\* data-enriched performance service is a multifaceted offering for uptime assurance, process optimization, and greenhouse gas (GHG) management. It integrates digitally enabled equipment, collaboration with OEM experts, and maintenance to provide an enhanced service experience for asset life cycle management.

Process Live Uptime Assurance for valves is initially available only for digitally enabled versions of the **ORBIT\* rising stem ball valve**. The necessary technology can be retrofitted to existing actuated valves in the field or installed on new actuated valves. Ideal for applications that require zero leakage and frequent operation, ORBIT valves are used globally in gas processing plants using molecular sieve systems in switching service.

The technology shares data such as valve cycle count, actuator health, event history, and general valve operational data to ProcessOps\* tuned processing operations solution in the DELFI\* cognitive E&P environment over Agora\* edge AI and IoT solutions—using a cellular connection that does not disrupt your operations network. It also means you have access to the data anytime, anywhere.



*Process Live Uptime Assurance for valves delivers real-time insights about valve health to help prevent disruptions before they occur.*

The technology triggers CBM recommendations and alerts using algorithms based on extensive internal research correlating valve operational data to actual valve wear. Alerts enable rapid collaboration between operator teams and Cameron experts and service teams.

## What it replaces

Traditional valve maintenance schedules are based on time in service, rather than actual valve operation or flow experience. The result is unnecessary maintenance costs for some valves and inadequate maintenance or expensive failures—and extended unplanned shutdowns—for others.