

# Actuation solutions

**Critical Hydraulic and Pneumatic Valve Actuators** Precision-engineered for reliability in the most demanding environments, whether in offshore operations or onshore mining and refineries.

**High Torque and Fast Closing** - The ATC design enables quick motion to the valve open or closed position.

**One-Stop Shop for Subsea Actuators & Accessories** Proven in use up to 3km water depth.

**Gear Operators** - Robust and dependable.

**Pneumatic & Hydraulic Control Panels and Power Units** - For precise and efficient actuation control.

**Engineering Support & Technical Advice** - Expert support when and where you need it



## Featured Applications

SUBSEA

UPSTREAM

ONSHORE

## Why choose us?

### Field-proven design

With high reliability, long design life and no maintenance required.

### Space, weight & cost optimization

The inherent compactness of the ATC actuator allows for layout optimization & pipe-run reduction.

### Fast acting/ fast closing

With optimized torque curve and low internal friction

### API 6A licensed & SIL 3 compliance

### Excellent support

From the FEED stage to the project and after-sales.

### 20+ years track-record

Large scale project experience, fast lead times and on-time delivery.



# Highlight 2023

**Jackdaw WHP** - Shell UK - Kvearner Ramboll  
ESD actuators for 14 pieces, 15K API 6

**Yellowtail 6 FPSO One Guyana** - ExxonMobil - SBM  
Riser and ESD valve actuators up to 9" 10K API 6A.

**Atlantis WISDV** replacement - BP - WP  
Actuator for valve 10" 10K API 6A.

**Salamanca FPS** - LLOG - Audubon  
Mix of actuators for API 6A and API 6D valves up to 12" 2500#.

**Cassiopea SSIV** - ENI - Argo  
Subsea actuator with mechanical override for 14" 1500# valve.

**Subsea project** - CNOOC  
Subsea actuators with mechanical override for valve 6" 1500#.

**Jebel Dhanna BUOY** - Adnoc - Sofec  
Splashzone actuators with mechanical override up to 20" API 6D.

**Parque de Baleias FPSO Maria Quiteria** - Petrobras - Yinson  
Riser and ESD valve actuators up to 8" 2500#

**Mero 4 API6A FPSO Alexandre de Gusmão** - Petrobras – SBM  
Riser and ESD valve actuators up to 16" 10K API 6A.

**Scarborough FPU** - Woodside - McDermott  
ESD valves actuators up to 24" 1500#.

