Remote valve control systems
and tank level measurement
Econosto designed a high quality Econ® remote valve operating system specially for use on board of ships and other offshore applications in ballast-fuel oil transfer, cargo and bilge systems.

Econosto supplies a total hydraulic operated system which includes the valves and actuators, hydraulic power unit, solenoid valve cabinet, control unit, handpumps and other equipment and services like FAT, SAT testing and commissioning.

**Type of Actuators**
- Quarter turn
- Linear
- Single or double acting

All types of actuators are available in dry or submerged execution.

**Standard Options**
- Unique Econ® open/close indication system HPPI (Hydraulic Positive Position Indication). The HPPI offers a 100% open/close indication based on flow/no flow detection in the operation lines. Where other solutions of monitoring the open/close indication by flow or volume will false when stuck in intermediate position, this system prevents any potential misreading. This results in a 100% secure system.
- Open close indication by limit switches
- Proportional indication (0-100%)
- Econ® electrical hydraulic actuator, equipped with local power unit (LPU)

Econosto is able to provide a total concept: engineering, drawings, hydraulic and pneumatic components, measurement and control systems, expert supervision during commissioning of the various systems, sea trials and the supply of the required documentation.

- Econ® actuators and valves
- Econ® hydraulic power unit
- Econ® solenoid valve cabinet
- Econ® control unit (conventional control desk or PLC/PC-based with HMI, touch screen)
- Econ® emergency shut-down system (ESD) accumulators
- Econ® handpumps
- Services like FAT, SAT testing and commissioning.
Pneumatic actuators

Econ® pneumatic actuators are supplied in the marine valve systems with quarter-turn as well as linear valves for dry and submerged application.

Electric actuators

Besides the hydraulic and pneumatic Econ® actuators which are very frequently used in the marine industry, Econosto also supplies electric actuators for quarter turn valves.

Quick closing valves

Manual or remote controlled by pneumatic or hydraulic operation.

Econosto provides your total solutions
Tank Level Measurement

In the field of marine automation, Econosto is specialised in level, pressure and temperature measurement in all types of vessels.

Econosto supplies

- Radar level measurement systems for ullage measurement in cargo tanks
- Integrated temperature and pressure measurement for cargo tanks
- High and low alarm signalling of tanks
- Manifold pressure measurement
- Vapour emission and oxygen concentration measurement in unloading pipelines
- Monitoring system for cargo and all other tanks
- Level measurement in ballast and engine room tanks
- Ballast tank gas detection system
- Temperature measurement in fuel tanks
- Bilge well, draught, trim and list indicator
- Gas detection pump chamber
- Bulk water ingress detection system

Econosto is part of ERIKS nv, a leading, innovative supplier to the process industry and to equipment manufacturers, fulfilling the twin roles of specialist and broad MRO supplier. ERIKS currently consists of more than 60 companies with branches in 27 countries and more than 7,000 employees.

Econosto locations and Maritime representative offices: Australia, Baltic states, Bangladesh, Belgium, Canada, China, Cyprus, France, Germany, Greece, Hong Kong, India, Indonesia, Kingdom of Saudi Arabia, Kazakhstan, Latin America, Malaysia, Netherlands, New Zealand, Pakistan, Poland, Russia, Singapore, Slovakia, South Korea, Spain, Turkey, United Arab Emirates, United Kingdom, USA and Vietnam.

Expect more

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