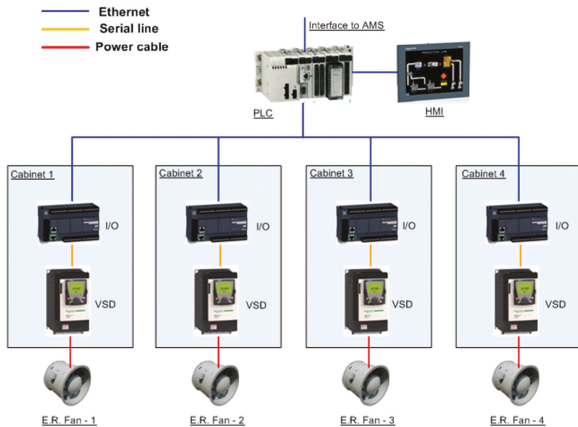


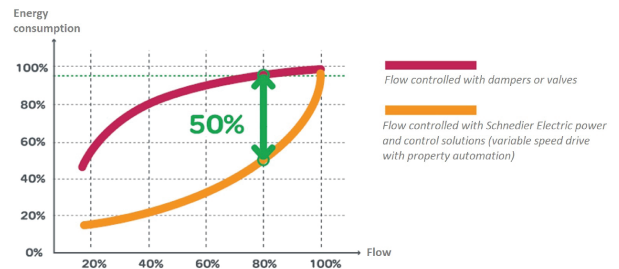
Engine Room Cooling Fans & Sea Water Pumps control system

Intelligent VSD control via PLC and HMI, to reduce the speed of fans and pumps while maintaining the ship's safe operation, based on various scenarios (Seagoing, Maneuvering (port in/out), Cargo handling, Anchoring)



- Reduced operating costs (energy saving)
- Optimized investments with quick ROI (<2 years)
- Tailored solutions with access to highly qualified experts
- Respect modern regulations (SEEMP, ISO50001)
- Reduced CO2 emission

Estimation of energy efficiency for pumps or fans



Engine Room Cooling Fans & Sea Water Pumps control system

Tanker reference case

	Engine room fans	Sea Water pumps
Size	4 x 18,5kW	2 x 65kW
Annual Reduction of energy consumption	358MWh	320MWh
Annual savings	~ \$58.300	~ \$50.800
Reduction of CO ₂ emissions	~ 500 tons per year	

Energy Savings

-70%

-40%

ROI <12 months

Sea Cooling Water Pumps

