

Safer solutions for power management

By using flywheel solutions for power management and distribution rather than chemical storage you remove the risks of battery off-gassing and thermal runaway, making your vessel safer from fire hazards in line with SOLAS chapter II-2. With a long life, reduced fire risk and low maintenance, flywheels are ideal for marine applications.

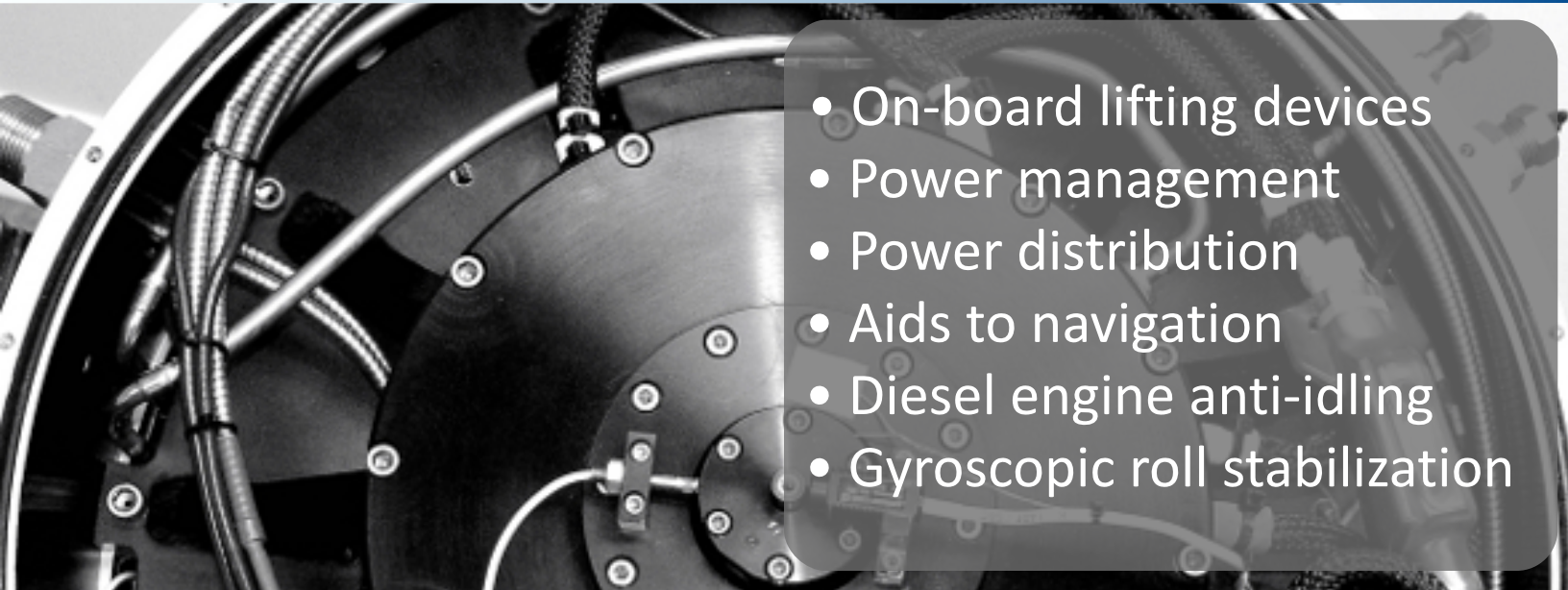
- power management and distribution
- diesel free operation
- low cost of ownership
- gyroscopic roll stabilization
- simpler, safer and cheaper maintenance



Marine power management and distribution



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- A close-up photograph of a large, dark, cylindrical flywheel mechanism, likely part of a marine vessel's power system. The flywheel is mounted on a metal frame with various bolts and cables. The background is slightly blurred, showing more of the machinery.
- On-board lifting devices
 - Power management
 - Power distribution
 - Aids to navigation
 - Diesel engine anti-idling
 - Gyroscopic roll stabilization

There are a number of safety issues with existing chemical energy storage systems on marine vessels. The following is a non-exhaustive list:

- Thermal runaway is a known issue with certain lithium ion batteries
- Hydrogen gas is evolved from lead acid batteries whilst in use
- Electric shock is a potential maintenance and firefighting hazard
- The chemicals in batteries can be an ongoing maintenance hazard
- Breached batteries can produce various hazardous fumes and liquids

Contact us today for more information or to obtain a quote.