Steering towards zero-emission shipping

Why?

The maritime industry needs to move towards sustainable shipping with zero emissions.

One key area of concern is oil leakage from the shaft line. These can lead to:

- Harm to marine ecosystems
- Restricted access to ports
- Potential fines
- No risk of oil leakage
- Lower lifecycle costs
- No need for an aft seal
- Continuous collection of potential oil or water leakages
- Air barrier between oil and seawater avoids the need for costly, environmentally acceptable lubricants and oil treatment systems
- Closed oil lubrication and air supply systems reduce leakages

Other advantages include:

- Commercial and financial benefits for investors
- More cost-efficient shipping operations
- A better brand image for ship owners

How?

One solution to comply with environmental regulation is water lubricated seals and bearings - these are already standard in navy installations.

An alternative, environmentally friendly solution is an air seal, which is suitable for commercial applications.

What?

Wärtsilä has developed a range of high quality, water and oil lubricated shaft line products and packages that can be used on all vessel shaft sizes.

When?

The best time to upgrade to our environmentally compliant, water and oil lubricated solutions is:

- When existing seals and bearings equipment is nearing the end of its product life
- If a ship is scheduled to go into dry dock for maintenance
- Now, as there’s no better time to steer towards zero emissions

Why Wärtsilä Seals & Bearings?

- Long marine engineering history with a worldwide customer base
- Engineered, environmentally compliant water and oil lubrication systems
- Global network of professionals, service centres and workshops

Wärtsilä – leading the way towards sustainable shipping