



Wärtsilä EcoControl for retrofit

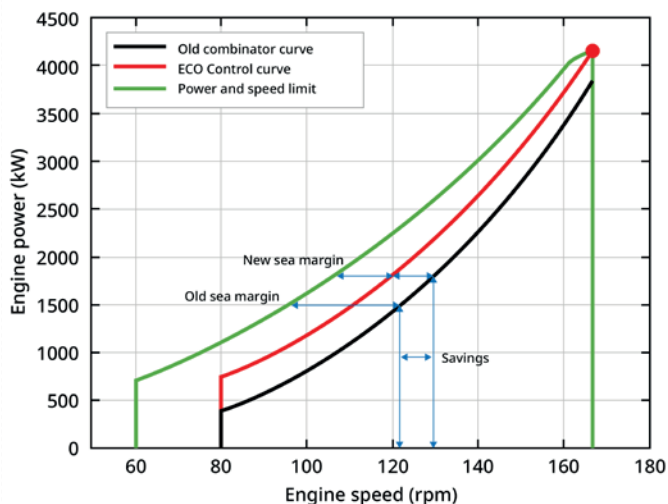
Reduce fuel consumption and emissions by automatically using the most efficient setpoint between engine RPM and propeller pitch.

The IMO's Carbon Intensity Indicator (CII) regulation imposes increasingly strict operational efficiency targets to reduce emissions. Wärtsilä EcoControl is a smart control system that improves fuel efficiency for marine vessels during transit sailing modes.

The system ensures optimal propeller pitch and engine RPM by dynamically adjusting these parameters in real time to reduce fuel consumption to the most efficient level. Wärtsilä EcoControl can bring up to 7% efficiency gains, improving your vessel's CII profile – and extending its profitable sailing time.

Key benefits

- Increase fuel efficiency
- Reduce emissions
- Improve your vessel's CII profile



How it works

Pre-programmed static combinator curves include a significant margin for sea state and power take-off (PTO) variations to avoid engine overload. Wärtsilä EcoControl uses an active combinator mode, reducing these margins and optimising operations with the help of real-time data.

The Wärtsilä EcoControl algorithm is designed to find the optimum load for the engine. The system still includes a sea-state margin, and

load variations are compensated for by the algorithm. Controllers with fast reaction times ensure that the engine is never overloaded.

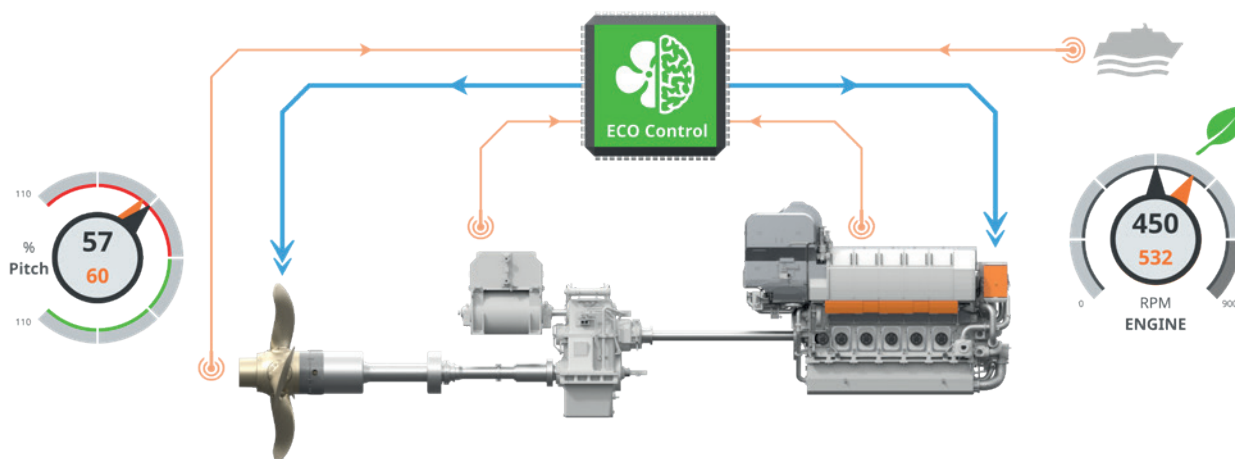
The system comes with:

- Cruise control functionality
- A fuel consumption limitation setting
- Actual fuel consumption visibility on the bridge
- Vessel speed control for fishing applications and/or cruise vessels if applicable

In order to install Wärtsilä EcoControl, your vessel should have diesel-driven controllable pitch propellers (CPP) with variable speed operation. Installation is simple with no drydock or crew training needed.

Why choose Wärtsilä?

Wärtsilä is a leading OEM supplier with a global network providing service and support. Wärtsilä supports its customers throughout the entire lifecycle of the supplied equipment, and we strive to maximise the useable life of our customers' equipment investments.



Wärtsilä is a global leader in innovative technologies and lifecycle solutions for the marine and energy markets. We emphasise innovation in sustainable technology and services to help our customers continuously improve their environmental and economic performance.

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