

# EcoOptimizer

As part of our continuous development and constant strive to improve design, operational performance and economy – our optimized combinator-mode-software is now offered for propulsion solutions with Alpha controllable pitch propellers and Alphatronic control systems.

The total fuel oil consumption is determined by the power required for propelling the ship and the corresponding SFOC of the main engine. Comparing the runs of the optimum propeller and engine curves will reveal that they do not coincide. That is, one curve is optimum for the propeller, and another one for the engine.

Thus, if for each ship speed the required propulsion power and SFOC is calculated along each constant

ship speed, the optimum setting of propeller shaft speed and propeller pitch setting can be determined.

This is considered when generating the third and final optimized combinator mode curve that will result in minimum fuel oil consumption.

Installing the optimized combinator mode software requires an Everllence superintendent with expert knowledge of the propulsion configuration.

If you have maintenance planned in the near future, it would be preferable to order the optimized combinator mode software, and have the service engineer install it when on board already.

Please contact your Everllence PrimeServ office for more details.



Everllence

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Fuel savings from optimized combinator-mode software

## Key benefits

- Order now, install when convenient
- Fuel saving potential
- Overall economy-optimization and operational mode setting considering ship speeds, propeller pitch settings and individual main engine SFOC mapping
- Short payback time
- Performance and consumption display via Alphatronic 3000 and Alphatronic 2000

## Scope of supply

- Optimized combinator mode software
- Everllence superintendent for installation and testing

## Applicable to

Applicable for remote control systems types AT2000 and AT3000 from Everllence

## More information

Contact your local Everllence PrimeServ office for more information about the product and how the upgrade can improve your propulsion configuration.

## Everllence PrimeServ

Niels Juels Vej 15  
9900 Frederikshavn, Denmark  
[RetrofitDK@everllence.com](mailto:RetrofitDK@everllence.com)  
[www.everllence.com/services](http://www.everllence.com/services)

