

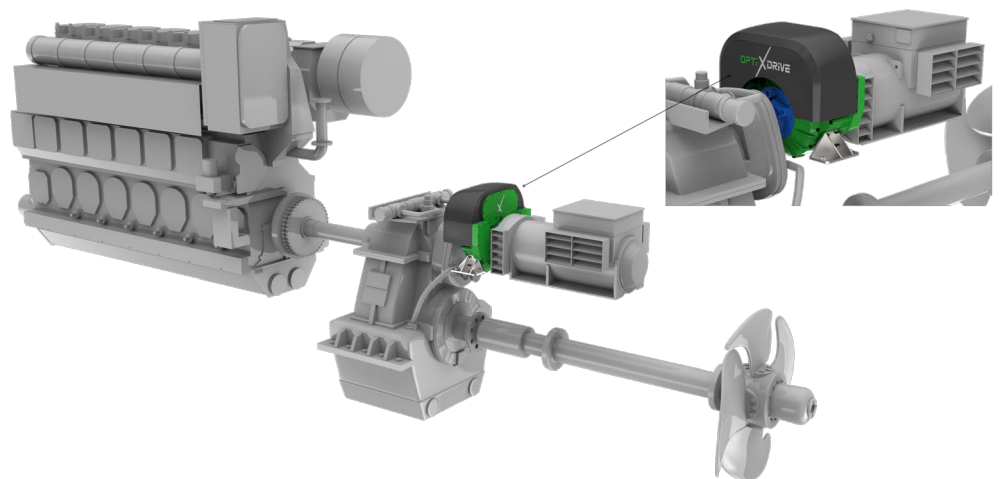
OPTIX DRIVE



Next Generation Fuel Optimisation

The variable gearbox OptixDrive lower fuel consumption with up to 25% for ships with shaft generator through enabling main engines to run on variable (optimal) rpm instead of fixed rpm.

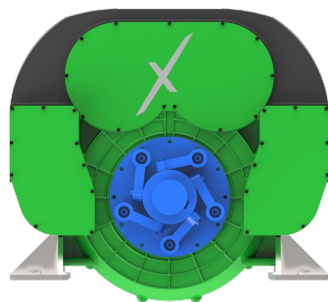
- ▶ Have the shaft generator connected from idling to maximum rpm
- ▶ Mechanical hydraulic powered rpm compensation for reduced primary speed to the generator's preferred rpm
- ▶ Reduce fuel consumption and emissions from CO₂, NO_x and SO_x



Remove 95% of The Risk of "Black-outs" Onboard Your Ship

The rpm compensation is provided even below idling rpm and enables the "buffer time" needed for the auxiliary generators to start and take over electrical power production. Statistics shows that this function removes more than 95% of the risk of "black-out" onboard your ship.

| | |
|-------------|--|
| Dimensions | 550 x 1200 x 1050mm (L x W x H) (including coupling) |
| RPM range | Minimum PTO rpm 940 to main engine over speed rpm |
| Models | 0,5 / 1,0 / 1,2 / 1,5 / 2,0 / 2,5 mega watt (MW) |
| Efficiency | 92-96% depending on operating rpm |
| Maintenance | Monthly oil samples & inspection every fifth year (4500h/yr) |
| Lifespan | 85000 hours (45000 hours for hydraulic pumps & motors) |



"We are proud to announce that Rederi AB Veritas Tankers Donso have chosen Oproixdrive on all their vessels"



Optixdrive Can be Installed in The Majority of Vessels

OptixDrive is suitable for all ships (CCP or no CCP). Our installation team is onboard one day for inspection and actual installation (3 days) is done during operation. No "off hire" is needed and the PTO will be fitted with protection cover to ensure safety for working team.

Veritas Tankers Vessel Astoria Saving 700 ton Fuel Per Year

We are proud to announce that Rederi AB Veritas Tankers have chosen OptixDrive for all their vessels, saving as much as 700 ton fuel and 2100 ton CO₂ per ship & year.



Lower Vibration & Noise Onboard With 50%

OptixDrive lowering the main engines rpm has a direct impact on vibrations and noise for the surrounding environment, both for crew and marine animal life. Our onboard tests show an approximately 50% decrease in ECR sound levels.

The OptixMarine Team have more than 25 years experience in ships systems and believe that the shipping industry has a sustainable future. Our goal is to use this experiences and knowledge to lower energy consumption onboard ships.