

EcoLoad advisory tool



State-of-the-art Everllence propulsion systems are highly efficient, cost-effective, and reliable. The combination of engines which are able to run on different operation maps (ECOMAP) with an exhaust gas after-treatment system in a diesel-mechanic or diesel-electric power plant is customized to clients' needs. This has a huge impact on costs and emissions. However, the operation of a plant with many components becomes complex. The Everllence EcoLoad tool provides optimal operation advice in real-time for your plant – saving you money and protecting the environment.

Benefits at a glance

- Overview of potential savings / minimized OPEX and CO₂-eq
- Live feedback and advice on engine operation
- Recommendation on optimal load distribution
- Recommendation on optimal number of running engines
- Recommendation on choice of fuel
- Recommendation on optimal EcoMap selection
- Optimization based on user inputs such as fuel prices
- Tailored to your powertrain configuration

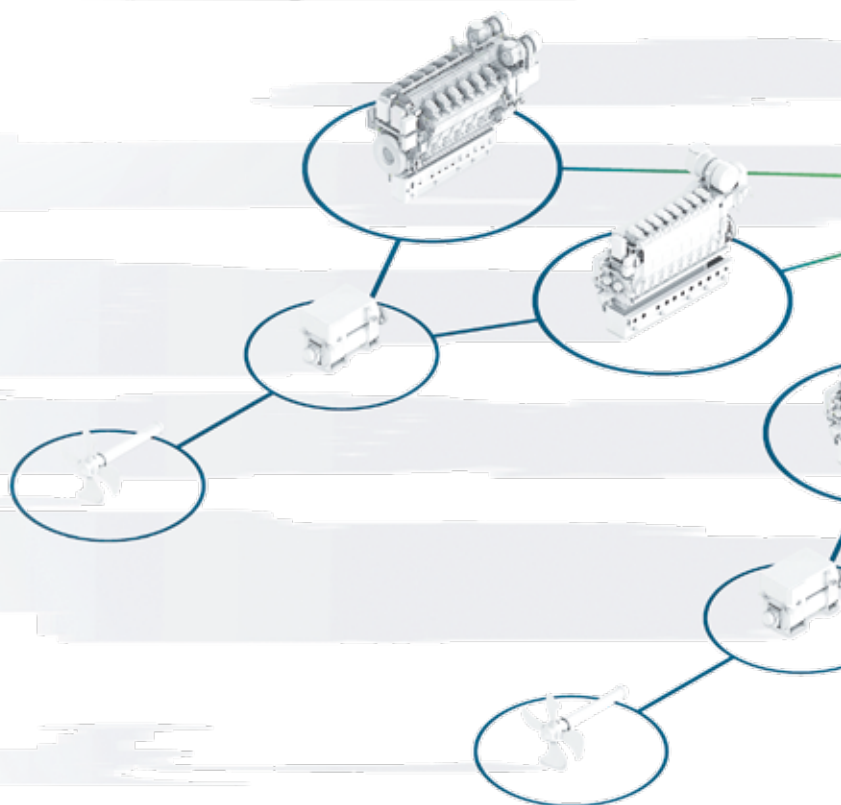
Unlock the full potential of your Everllence plant

Stay one step ahead

Modern power trains are highly efficient. To fully use the potential, the operating condition must be constantly monitored and adapted. EcoLoad provides continuous feedback on your current operation and recommends which changes are possible for improved operation. Select local optimization mode to see the saving potential with currently running engines – or switch to global optimization mode, which shows the savings that can be achieved by starting or stopping equipment. All information is displayed on a highly intuitive user interface.

Plan your journey with the EcoLoad route planner

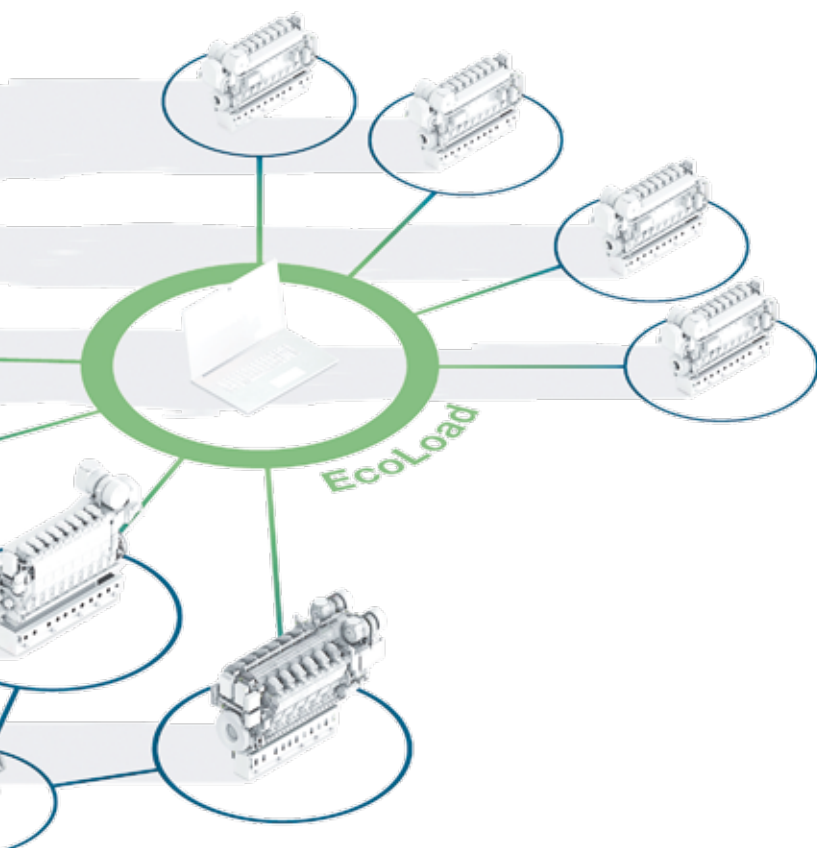
EcoLoad will advise you on the best EcoMap selection for each engine for your upcoming journey. In addition to this, the route planner will help you balance the running hours on your engines to improve maintenance planning.



Tailor-made solution

We configure each EcoLoad tool specifically for the plant it serves. High-resolution fuel consumption and emission data of engines and gensets are combined with live values from your equipment to optimize the operation of the power-train. Do you operate a modern diesel-electric plant with asymmetric load sharing? In this case, EcoLoad recommends the best load distribution for each of your generators.

Do you have a complex mechanical plant with a twin-in/single-out system, PTO / PTI and gensets? Not a problem! EcoLoad understands your equipment and helps you find the best settings. For example, you can use the PTO along with your main engines and reduce running hours on the gensets, or use PTI plus gensets to keep a main engine turned off. Are you experiencing extreme weather or do you have other demands? With an individual configuration, such as engine running order prioritization and electric power reserve, you can tailor the system to your specific needs.



Key components

- **Online optimizer**
Advice on optimized system operation and direct feedback at a glance.
- **Route planning**
Find the best ECOMAP engine maps for your upcoming journey.
- **Cyber security**
All optimizations are calculated onboard the ship. No communication is needed with the shore, ensuring maximum cybersecurity.
- **Hardware**
High-performance, marine-certified server hardware is provided by Everllence. The hardware comes pre-configured for your plant.
- **Integration**
A bundled data connection to the engine control system and PMS is used as a data source for optimization.

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MAN Energy Solutions SE has been renamed to Everllence SE and its products are being rebranded from "MAN" and/or "MAN Energy Solutions" to "Everllence". As this is an ongoing process, any reference to "MAN" and/or "MAN Energy Solutions" is actually a reference to "Everllence".

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