



## Main engine derating and fleet efficiency

While studying the medium and long-term strategy for decarbonisation, the d'Amico Group technical department is committed to the deployment of **short-term solutions**. In particular, the d'Amico Group is working on **vessel efficiency**.

Some of the activities implemented include:

- installation of a main engine Eco Nozzle to boost propulsion efficiency
- installation of Propeller Boss Cap Fins (PBCF) to improve propeller efficiency
- use of low-friction coatings to improve hull efficiency
- soft cleaning of hull and propeller to maintain hull efficient
- application of Silicon Paint on the propeller
- replacement of traditional neon with LED lights to increase electric load efficiency
- cutting of non-essential consumption in different operational profiles to improve electric load efficiency
- efficient routes planning
- monitoring of hull and propeller degradation
- adaptation of hull coating specification to the increase of average sea temperature.
- crew training on energy management.

Furthermore, the Group has **completed the installation of an Overridable Power Limit (OPL)** on its vessels to derate the main engine.