

Clean energy solutions with Marine-PV solar panels

A unique safety feature is our low-voltage DC solar solution with ABS approved microinverters



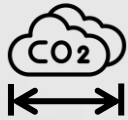
What is the proposed solution ?

Clean energy generated by fully marine approved photovoltaic (PV) solar panel system



Surface need for saving 1 ton of fuel

For saving 1 ton of fuel per year, you need ~12m² of our solar solution



Surface need for saving 100 ton of CO₂

A solar panel surface of ~400m² can generate ~180.000kWh and save 100 ton of CO₂ / year



What's the investment / payback ?

Invest ~€ 3.500,- per ton of fuel / year saving.

Payback is less than 3 year (ETS / FuelEU saving included)



Class approved & operational since 2022

Class approved by DNV, ABS, CCS, BV, LR.

References with various types of vessels.

References / solutions newbuild & retrofit

Bulk carriers



PCTC / RO-RO



Product tankers



Ferry / RO-PAX



Container / Feeder



CVT / CSOV



Get in touch for your technical proposal and budget quote !

sales@shipdecarb.com / www.shipdecarbonization.com



Get inspired by what you can do in the transition to zero carbon shipping.



Clean energy

Dual-fuel | MeOH & NH3



Eltronic FuelTech is market leader in technology for **alternative fuels** like Methanol and Ammonia, ensuring safety, efficiency and reliability.

Eltronic
FUELTECH

Solar | Marine solar panels



Clean energy generated by fully **marine approved** photovoltaic (PV) **solar panel system** for all types of vessels in various configurations.

 **MARINE-PV**
众纳电气

Energy efficiency

Battery | Hybrid solutions



Royal Van der Leun specializes in developing and integrating **battery/hybrid solutions** to make ships sail smarter and cleaner.


royal
van der leun

Battery | Optimize genset



Peak “shave” the load and operate engines at more optimum load. Take a genset offline and use ESS for reserve power: **spinning reserve**.


royal
van der leun

Emission treatment

CO₂ | Carbon Capture



Three diversified technologies – **Carbon Capture** with Amine, with Calcium Hydroxide and Molten Carbonate Fuel Cells (MCFC).


technologies for the planet

CH₄ | Methane slip catalyst



Methane slip accounts for up to 24% of GHG emissions from a LNG-fueled vessel. This **catalyst** is the solution for your four-stroke engine.


technologies for the planet

