



Solar photovoltaic panels used by the captain





Overview

The vessel features retractable sails covered in solar panels, harnessing both wind and solar energy to power the ship. This, combined with propeller shafts that act as hydro turbines, significantly reduces the ship's reliance on fossil fuels. The ship is also equipped with a dynamic positioning. In late November 2024, the UAE-based engineering company Goltens hosted a keel-laying ceremony for Captain Arctic, a polar expedition vessel ordered by French ship operator Selar.



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[The Next Generation of Cruise Ships Will Be Powered By the Sun and ...](#)

The vessel will combine six decarbonization technologies to reduce greenhouse gas emissions by more than 80%, including a wind propulsion system and 1,000 square meters of solar ...

[Levelling up maritime decarbonization game: Captain Arctic, a new solar](#)

Captain Arctic will rely primarily on renewable energy sources for propulsion, resulting in a 90% reduction in CO2 emissions compared to conventional ships. It will harness 90% of its power ...



SOLAR SAILOR ROBERT DANE PV PANELS SAILS WIND ...

In our view the first practical application of combined wind and solar power was with Solar Sailor, where sails were also solar panels that could be aimed to capture either wind energy or photovoltaic energy ...

Solar Catamarans: Seafaring Sustainably

There are various kinds of solar panels available for marine boats: adjustable panels, standard panels, and high-energy thin-film panels. While some may argue that having a portable ...



[solar cruise ship wraps retractable sails in solar panels to harness](#)

Selar's cruise ship named Captain Arctic has retractable sails covered with solar panels so the vessel can harness and use the energy coming from the wind and sun.



[\(PDF\) Contribution of Solar Energy at Ship Power System in Reducing](#)

This paper will review several studies and applications of solar energy as part of ship power system, and analyze the contributions in supporting reduction of carbon emissions.



[finally researched the solar panel.. :: Captain of Industry General](#)

Electric boiler is a huge let down as well with a whopping 1.5MW to push 4 hi steam. They're not as awful as they look. Two of them require 2.6MW and create 2.5MW worth of steam (so ...



[Solar panels for blue water cruising: why](#)



[and how to equip your sailboat?](#)

Fitting solar panels is not just an optional extra for long-distance cruising: it's the key to greater comfort, autonomy and peace of mind. With a well-thought-out installation, you'll reduce your ...



Solar Panels For Boats And Yachts

There are a lot of variables when talking about installing solar panels on a boat including how often you use the vessel, where you sail, your budget and panel mounting options. But the first ...

[Photos: Captain Arctic sets sail with 114-foot, retractable solar sails](#)

Selar's newest cruise ship, Captain Arctic, is making waves in the industry with its innovative approach to sustainability. The vessel features retractable sails covered in solar panels,





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