



LLSE CONTAINERS

100-foot solar-powered container used in German ports





Overview

Why is the port of Hamburg a leader in onshore power supply?

The Port of Hamburg is a European leader in the implementation of Onshore power supply. Following the lead of cruise ships, the focus is now on large container ships. By Claudia Behrend No more smoke billowing into the sky, no more ship engines humming at the berths. Hamburg's quays are becoming cleaner and quieter.

Can a container ship power a ship using electricity?

Since April this year, larger container ships have also been able to do so, starting at Eurogate's CTH. This makes Hamburg the first European port to offer shore power for both types of vessels. It may seem like a no-brainer to turn off the auxiliary engines and power the vessel using electricity instead, but this can prove to be a real challenge.

How much power does a container ship need?

What's more, for container ships, shore power is more expensive overall. At 500 to 2,500 kilowatts per hour, basic consumption is much lower than the 1,500 to 13,000 kilowatts cruise ships require.

When will Hamburg be able to supply larger container ships?

Hamburg will be able to supply larger container ships as early as 2025. Following CTH (Eurogate), the facilities at HHLA's CTT and CTB terminals will commence operations by the end of this year, while construction work is currently underway at CTA for a planned start of operations in 2025.



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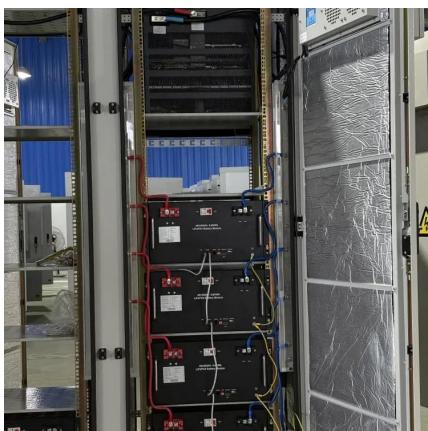


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[Germany unveils first hybrid solar cargo ship , USA Solar Cell](#)

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World's first hybrid solar-powered inland vessel hits water

Jul 8, 2025 · The Blue Marlin was officially named at a ceremony in Hamburg on 3 July becoming the world's first hybrid solar-power inland shipping vessel.



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