

Southern European community uses 120kW folding shipping container





Overview

Which European port has the best onshore power supply?

Germany's Port of Hamburg seems to be leading the way in Europe when it comes to onshore power supply for container and cruise vessels. It recently became the first port on the continent to offer shore power for both types of vessels.

How much energy do EU ports use?

Major EU ports in 2019, demanding nearly 5.9 terawatt-hours of energy; nearly 70% of this energy demand came from TEN-T network ports. The most energy-consuming ship types were tankers.

Are purely electric ships a viable option for inland small and medium-sized ships?

These studies have demonstrated the feasibility of battery power for inland small and medium-sized ships operating over short distances. However, these studies do not explore the potential of purely electric ships regarding lifecycle carbon emissions and economic benefits.

What if the TEN-T NE regulations were extended to other EU ports?

Reduced by up to 69% if all power demand (i.e., auxiliary engines and boilers) were included and would need to be covered by shore power. If the geographical scope of the regulations was extended to other EU ports (including those outside of the TEN-T network):
GT=400: 30% reduction
GT=5000: 21% reduction
GT=400: 11% reduction
GT=5000: 11% reduction



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