

Container communication high voltage power generation



Overview

A high-voltage shore connection system enables large vessels, like container ships or cruise liners, to draw power from the shore grid. This replaces the need for onboard generators while in port, improving the shore power supply. This scenario of the application of onshore power supply is also known. Purpose: to reduce at-berth emissions and associated health impacts from diesel auxiliary engines on-board vessels calling the ports. We help our customers, partners and equipment manufacturers to improve energy efficiency, asset reliability, productivity, safety and performance. The landside HVSC system constructed at the Port of Los.

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High-Voltage Shore Connection Systems: Powering Sustainable Ports

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What is a high-voltage shore connection system? They have been designed according to the IEC 80005 standard for high-voltage shore connection systems. The standard applies to container ships, cruise ...



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High Voltage Shore Connections (HVSC) for Commercial Shore ...

Utilize professional engineers experienced in the design & construction of shore power systems and expert in the international shore power standards (IEEE 80005).



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Guide for High Voltage Shore Connection 2021

Requirements in this Guide apply to vessels equipped with a high voltage shore connection system (HVSC) designed to power the vessel with the shore power alone, enabling the shipboard generators ...

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TIP manual , Power distribution for ports and harbors



This definition of goals adds a completely new perspective to supplying power to ports. It is not only the availability of energy and its purchase price, but also the specific CO2 emissions of the various ...

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High Voltage Shore Connection (HVSC) Systems

The terms, Alternative Maritime Power® (AMP®), High Voltage Shore Connection (HVSC) Systems and shore power, used in this and other documentation refers to the technology of ...

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Vessel Shore Power Map

Use this shore power map below to explore where systems are deployed across the planet, and the potential carbon dioxide savings by using grid

power instead of ship power.

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Solutions for container terminal electrification

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Alternative Marine Power

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