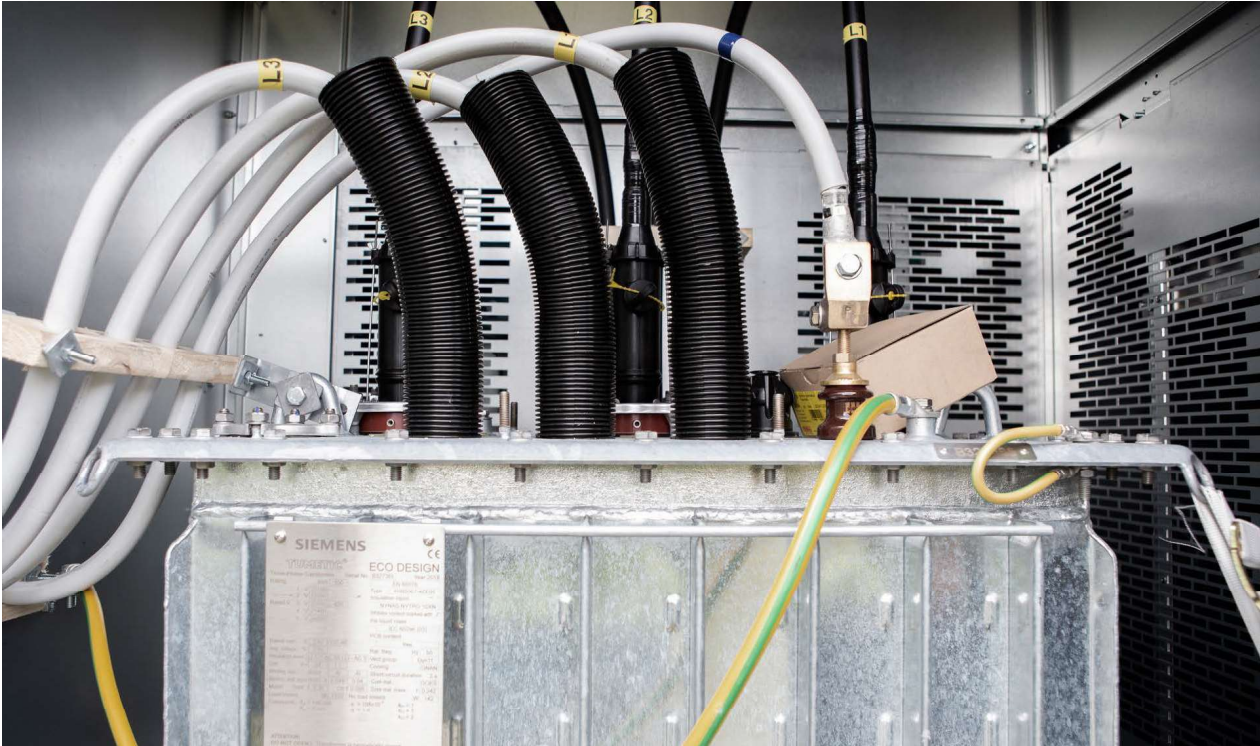


# Vattenfall Network Solutions

Your Marine Electrical Infrastructure Partner

# Vattenfall Network Solutions as your partner



## We can assess your:

- Current High Voltage electrical infrastructure and designs
- New project plans to help optimise your designs
- Compliance and environmental standards to prepare for the future through innovation

## Power-as-a-Service Our offer to you:

### We provide capital investment

- Clients gain CAPEX relief
- We can own, operate and upgrade your private network
- 10 year plus contracts
- Clients benefit from our procurement power and delivery

### We remove your risks

- Design risk
- Risk of operating, management and response
- Contractor management
- Fixed service payment. If there is a fault, we sort it.

### We take responsibility of your assets

- Insure compliance, reliability and savings
- Optimise your private network
- Manage planned and unplanned outages
- Expertise

## Why Power-as-a-Service?



Certainty on your operational expenditure for 10 years



If an asset we own faults, we will repair or change it at no extra cost to you



Less impact to your CAPEX budget, means you can focus on your growth



No gray areas. We will be responsible for all safety risks of our assets



We can bring our Vattenfall's wider expertise to help you in your green vision

## Value added services for ports

- Full end-to-end provision (including funding) for decarbonisation technologies such as crane electrification
- Vessel electrification
- Technology agnostic. We will work with your preferred suppliers and shipyards

# Investing in the future of green ports

**We can assess and provide CAPEX for your network needs:**

- Microgrids
- Smart grids
- On site generation through solar and wind, supported by batteries
- Visibility of your live network
- Remote control - planned and unplanned switching



**Vattenfall Network Solutions specialises in:**

- Technology that is capable of self-restoration during outages
- Live information to field engineers on the ground
- Manage workflows and permit to work systems
- Data for analytics
- Access reports on energy usage

