

# Europlatform in the North Sea

## Energy. Anytime. Anywhere.



### The installation

They have chosen two Skylla Chargers 24V 100A and a Phoenix Inverter 24V 3000W. This is backed by a 2000Ah battery bank which is comprised of 12 OPzS 2v cells. The generators are each equipped with a Skylla TG 24V 30A battery charger.

A wireless connection has been established between the platforms and the shore. All the data coming from the Inverter and a BMV 602S (Battery Monitor) is sent to the shore via a Victron Global Remote. Also, several alarms have been set in order to be able to respond in time whenever there is a malfunction on one of the platforms. Last but not least an I/O extender enables the user to remotely reset the UPS installation using a text message.

### System

- 2x Skylla chargers 24V 100A
- 1x Phoenix Inverter 24V 3000W
- 12x OPzS 2V cells 2000Ah
- Skylla TG 24V 30A battery charger
- BMV 602S
- Victron Global Remote

Three unmanned measurement platforms are located on various locations in the North Sea. These platforms provide ships that sail the North Sea with crucial information such as weather and wave forecasts. Each of them features a helicopter platform to ensure a safe arrival for potential visitors.

Due to the fact that the platforms were in need of a new electrical system, Combi Noord set up a test installation with Victron equipment consisting of several battery chargers, an inverter and a battery bank. After approval from the Dutch Government Combi Noord has started to update the first platform in March 2011 (the Europlatform).

### Europlatform

There are several generators on the Europlatform. Each of them can be switched remotely. The Victron equipment functions as a UPS (Uninterruptable Power Supply) to ensure that the ships sailing the North Sea can receive the information even when there is a power malfunction. The Victron equipment also functions as a 230V power supply for various measurement equipment. The energy efficient LED helicopter platform lighting is fed with power by the inverter.

It is expected that the largest platform, Goeree, will be fitted with new equipment that features Victron's Li-ion technique.



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