

BLUEDAY

TECHNOLOGY

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DOCUMENT TITLE: Operation Manual - BluEco Shore Power		
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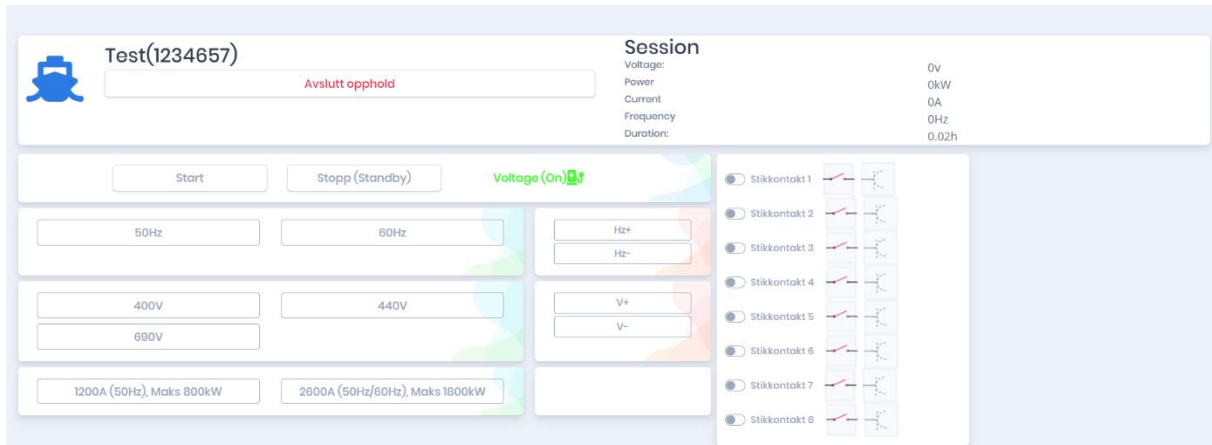
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01	First Issue
02	TBA

Innholdsfortegnelse


1	Operation of the shore power plant	4
1.1	Upon arrival	4
1.2	On departure	5

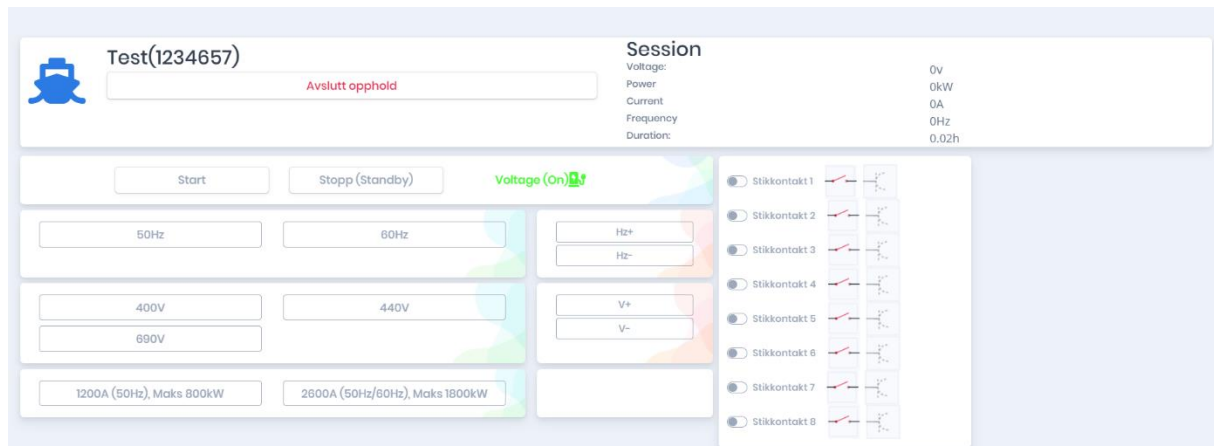
1 Operation of the shore power plant

1.1 Upon arrival




Upon arrival at the dock, the ship must be registered at which line the ship is to be connected. All ships that are registered in advance can be connected to shore power.

1. On arrival at the dock, press «Register ship» and enter the ship's IMO number. The ship screenshot will then be visible to the operator. Here the ship's name and IMO number will be displayed.
2. Cable is routed on board the ship and connected to the ship's socket. When connected, this symbol will appear on the screen as connected. 
3. When the cable is connected to the ship, the desired frequency, maximum power, voltage and number of sockets must be selected. It is only possible to select the sockets that is already connected to the ship.
4. When step 3 has been completed and no active alarms have been activated, the start button will be available, and the system can be started. When "Start" is activated, the circuit breakers will connect and the ship will be energized.
5. When the system is started, the relevant line will turn green and the ship will be supplied with the desired voltage. The ship can now be synchronized towards the shore power line. If necessary, frequency and voltage can be adjusted to the ship's values.



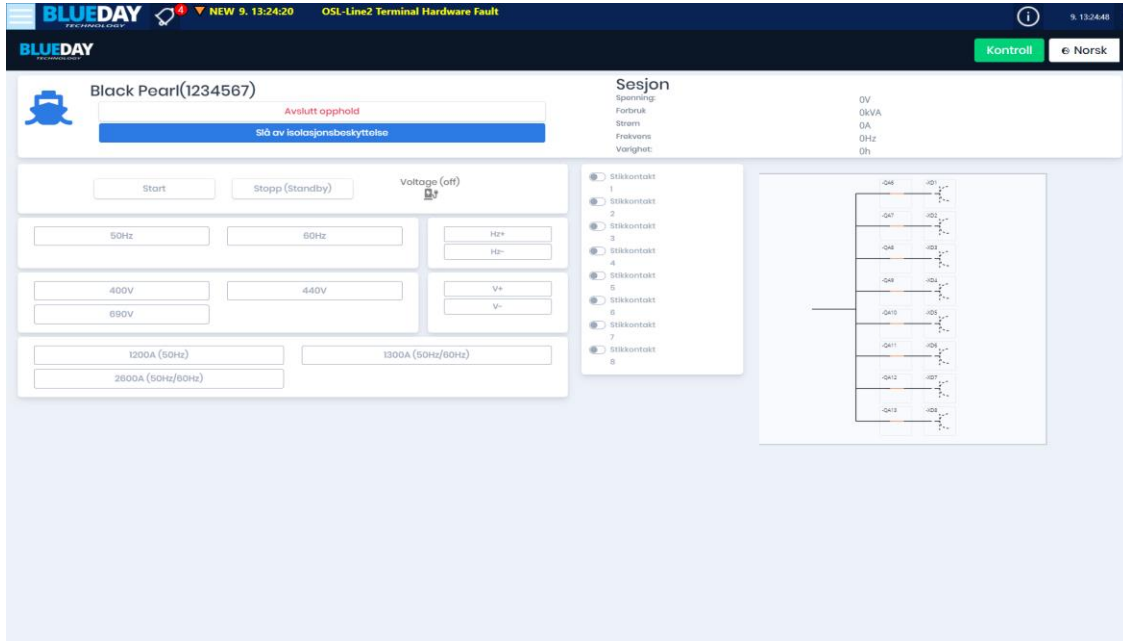
1.2 On departure

Upon departure, the facility must be stopped at the respective dock/Line before the ship disconnects. This is done when the ships are ready for shore power to be disconnected.

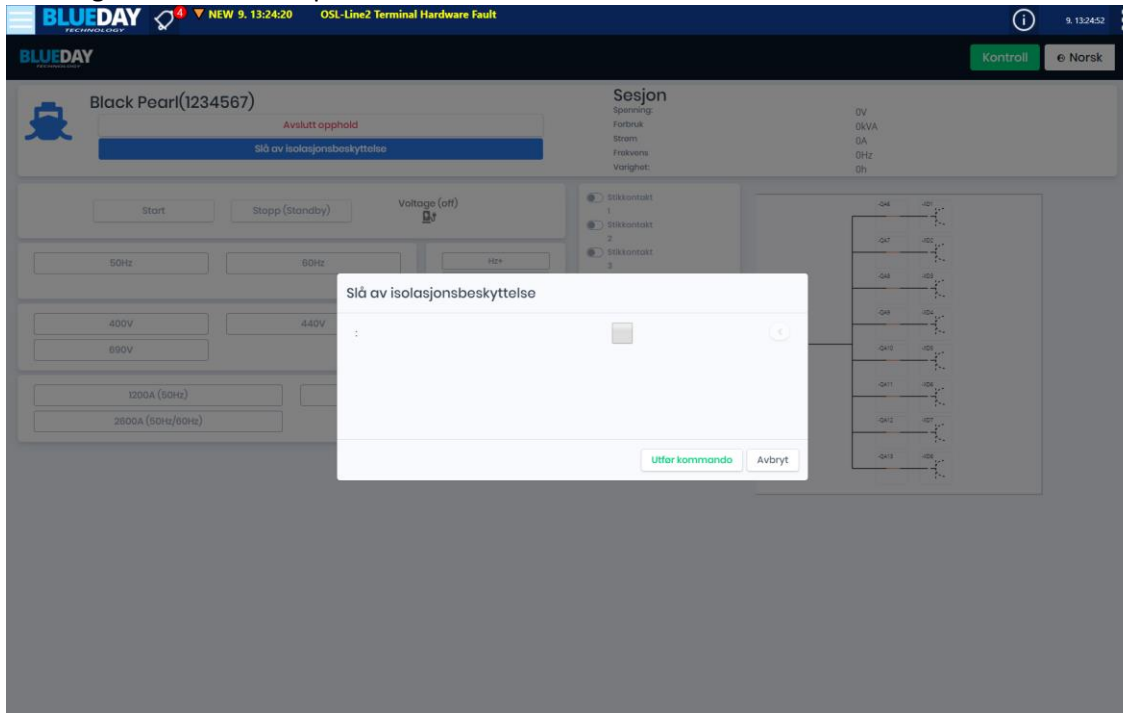
1. The shore power system is stopped by pressing «Stop (Standby)». Then the circuit breakers open and the system becomes de-energized. Open circuit breakers are outline on the screen and the line will change from green to black.
2. Only after the system is de-energized can the work of unplugging the cable from the ship start. When the plug is disconnected, it appears on the screen as disconnected. 
3. When the plug is disconnected, the ship is automatically logged out of the system so that it is ready for a new arrival. An email is automatically generated and sent to the owner of the facility after disconnection with information about the ship's consumption during the stay.
4. Cable is rewound on cable management system.

Insulation protection - On

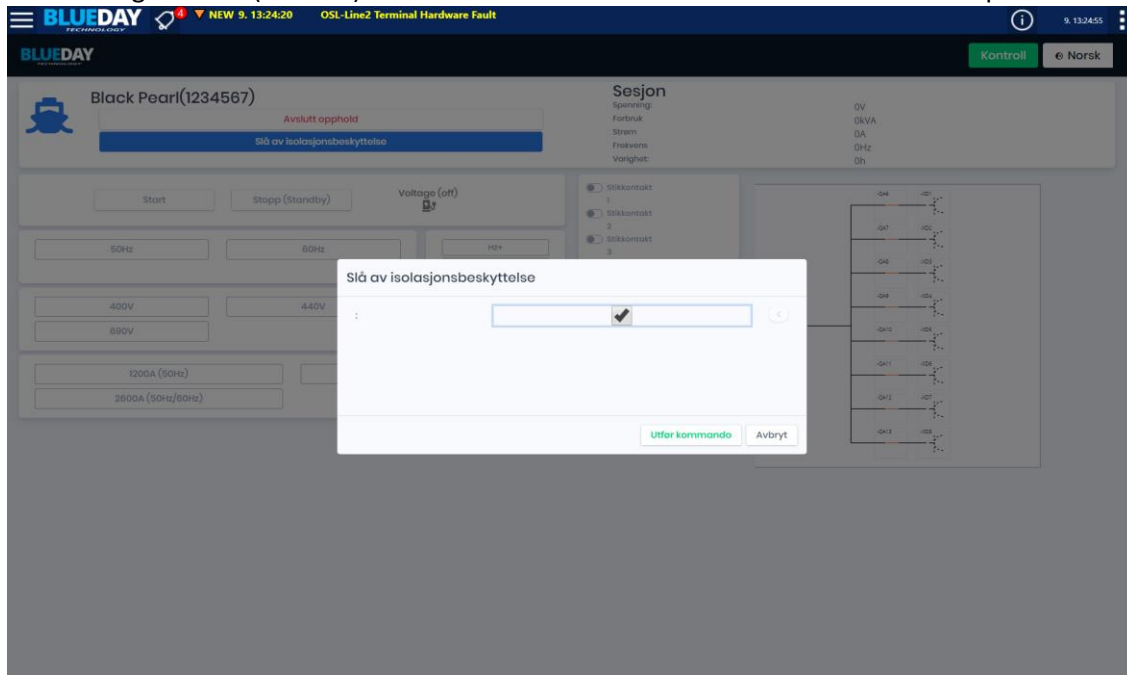
If the insulation protection is on, a BLUE button with Disable Isolation Protection will be visible:



Pressing this button will open a new window:

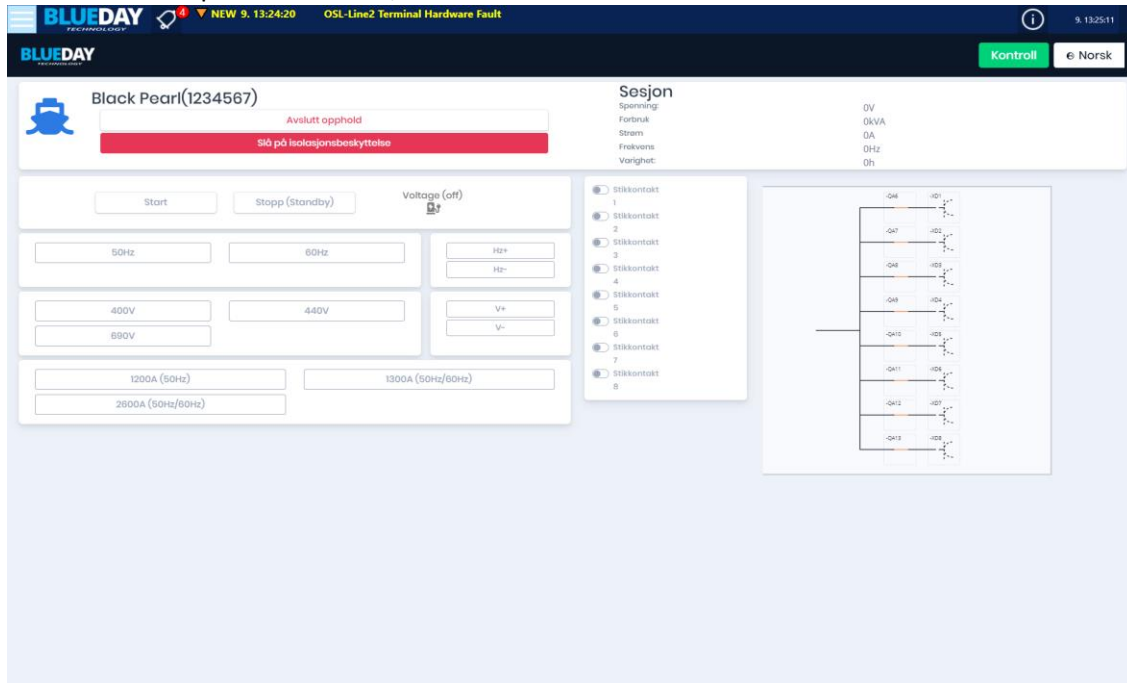


Unchecking this box ("check") and "Execute command" will turn off the insulation protection:

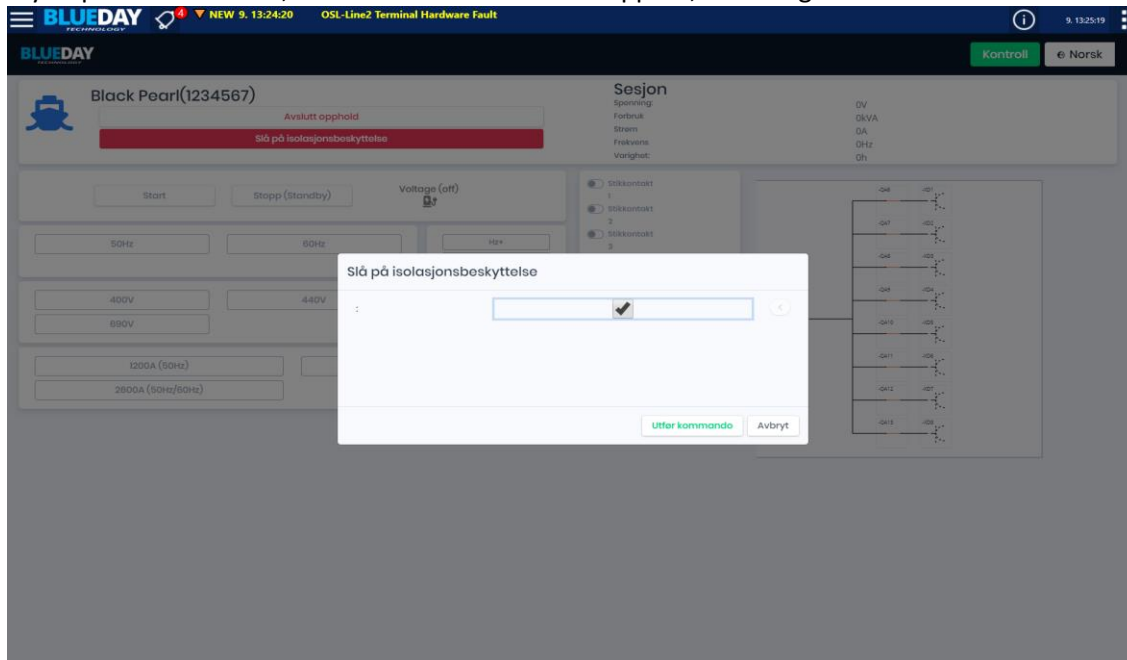


Insulation protection – Off

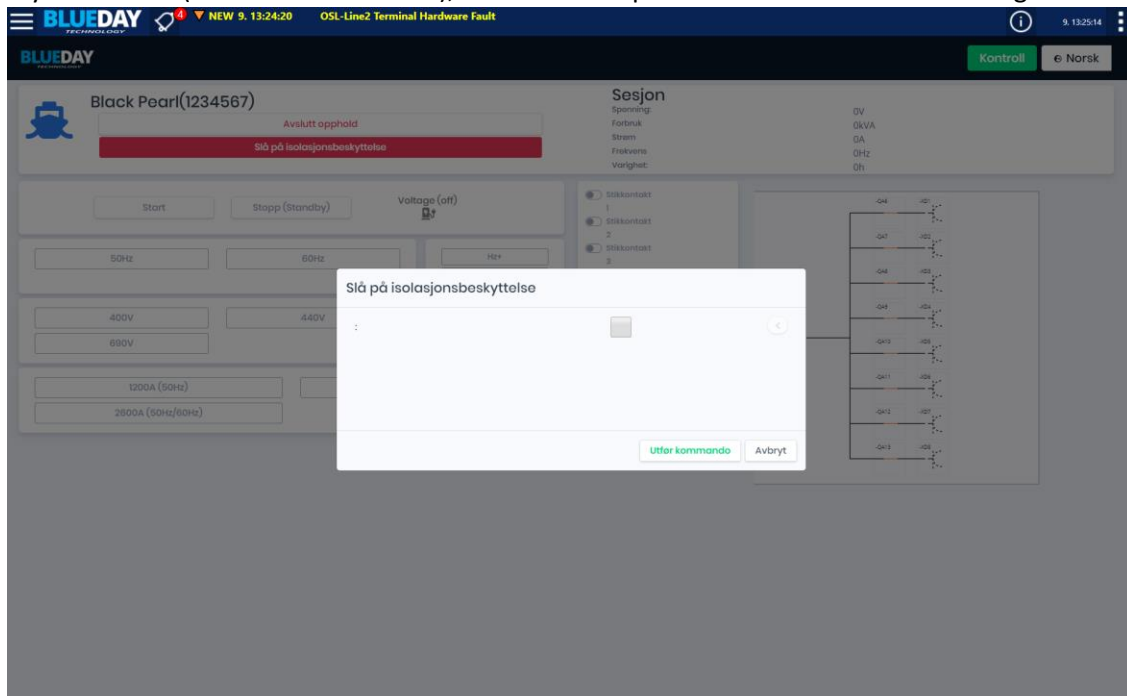
If the insulation protection is off, a RED button with Turn on Insulation Protection will be visible:



If you press this button, a menu like below should appear, including with a checked box:



If you Unhook (I.e remove the check), the insulation protection will be switched on again:



The insulation protection button should now be the same as in picture 2.