

AMS & OFFSHORE CHARGING FOR A FULL ELECTRIC CTV

Vessel Automation & Machinery Operating System (VAMOS) supply.



e-Ginny is a crew transfer vessel (CTV) developed by Tidal Transit as a diesel-to-electric retrofit project of the former vessel Ginny Louise. The conversion forms part of a wider decarbonisation initiative for offshore wind operations, integrating electric propulsion, onboard energy storage systems and supporting charging infrastructure for both onshore and offshore use.

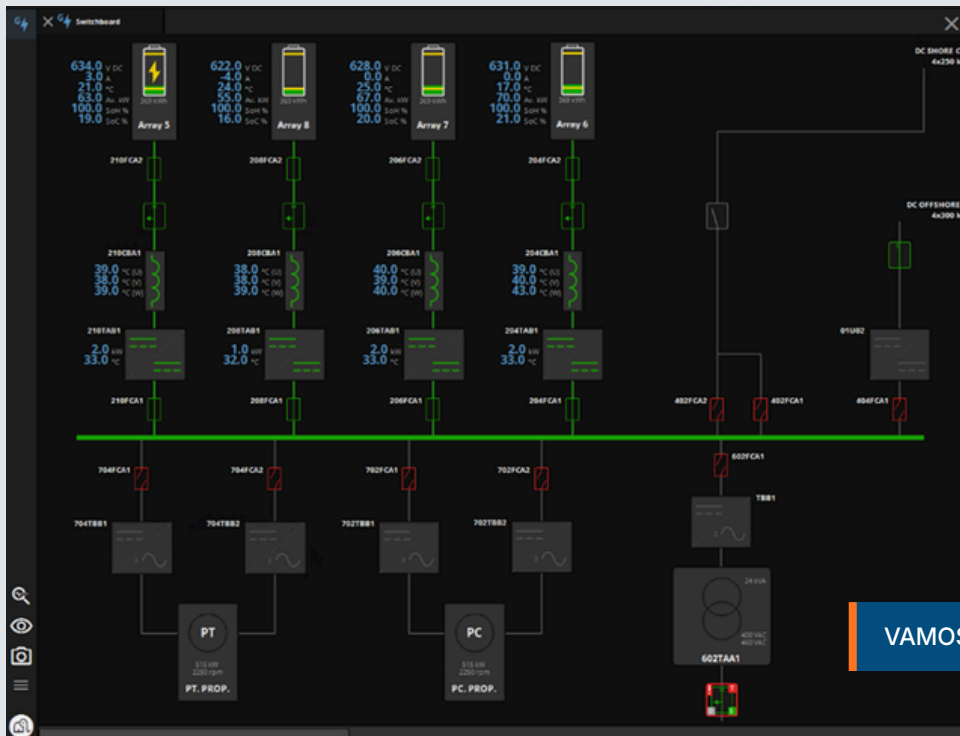
The project is being carried out in collaboration with several industrial partners, including ELSYS, and is designed to enable zero-emission operations through full electrification of the propulsion and vessel energy systems.

Alarm Monitoring System (AMS)

The AMS (Alarm Monitoring System) developed by ELSYS is an integrated platform for centralized monitoring and alarm management. It provides dedicated screens for real-time supervision of the battery system, PMS (Power Management System), offshore charging, and onshore charging.



Bridge Console with VAMOS 19" Colour LED Operator Station



VAMOS switchboard monitoring example

Offshore Charging

The Offshore Charging System developed by MJR/ELSYS is a complete solution designed for the safe and efficient charging of vessel batteries within offshore wind farms. The system provides real-time monitoring, control, and protection functions, including dedicated interfaces for charging status supervision, power management, safety interlocks, communication diagnostics, and energy transfer performance.



Complete charging system at the MJR workshop, fully assembled and ready for commissioning



Offshore charging control console



Charging from live wind farm validation



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