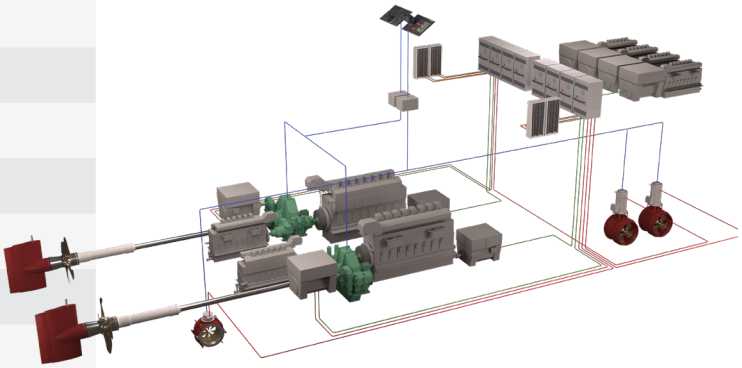
BRUNVOLL
PRECISION IS OUR PASSION

Color Hybrid
Passenger/Ro-Pax

Owner	Color Line Marine AS, Norway
Shipyard	Ulstein Verft AS, Norway
Hull Number	331
Year Built	2019
IMO Number	9824289
Ship Design	Fosen Design, Norway
Class	DNV-GL 1A
Engine	Rolls Royce
Type: B33 45L6P Type: B33 45L8P	Effect 3600 kW RPM: 750 Effect 4800 kW RPM: 750
Install Number(s)	2222-2228
Gear / Ratio	ACG TS1400 Coax 600 & SA 600
PTO / PTI	SA600
Propeller	ECP 115, 4600 mm open propeller
Remote Control(s)	Brunvoll Neptune II ECR, Triton SG, Triton FPT
Rudder	Van der Velden® TTA Rudder, and Steering gear type COMMANDER™ BRV 630-45
Tunnel Thruster(s)	Bow: Brunvoll FU-100 LTA-2750 x 2 Stern: Brunvoll RDT-1800-F



Hybrid Propulsion

A Hybrid system enables ships with variable power requirements to run at high propeller efficiency. A large number of operational modes are available in the complex configurations, enabling the engines and propellers to run optimally over a wide power range.

This configuration is designed for diesel-mechanical or battery electrical drive. In such a system design the vessel can utilize the power required for the specific operation in pure electric mode, or in diesel mechanical mode, or in a boost mode og peak shaving by engaging both systems. The system gives full flexibility for overhauling on one engine during operation as the configuration has four mechanical engines.

A hybrid system configuration is a fuel efficient and flexible system, with high redundancy. The system allows the engines to run in optimized load condition, and the most efficient way in respect of fuel consumption.

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