

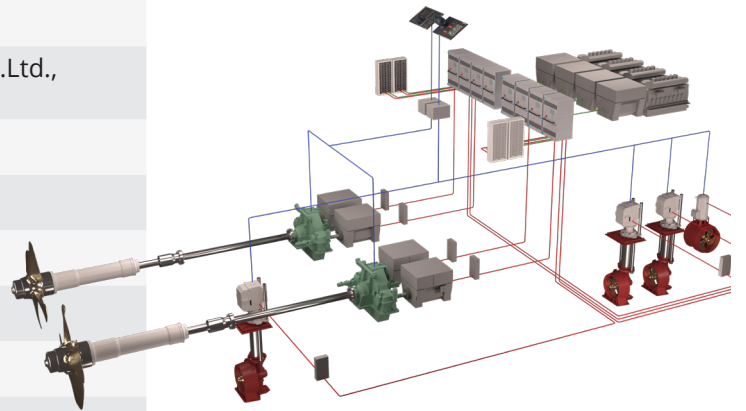
# Aurora Spirit

## Shuttle tanker



Illustration: Teekay Offshore

Owner	Teekay Offshore AS, Norway		
Shipyard	Samsung Heavy Industries Co.Ltd., South Korea		
Hull Number	2241		
Year Built	2019		
IMO Number	9837169		
Ship Design	Samsung Design		
Class	DnV GL		
Generator sets	Wärtsilä Dual Fuel Engines		
Type:	4 x Electric Motors	Effect 3800 kW	RPM: 660
	Total engine effect: 15200 kW		
Install Number(s)	2244-2245		
Gear / Ratio	EAG TS1400		
PTO / PTI	..		
Propeller	ECP135 - 6,9m open propeller		
Remote Control(s)	Brucon Integrated Bridge Control System		
Thruster Systems	Azimuth Retractable Thruster Type: AR100 LNC2600-2200kW Tunnel Thruster Type: FU115 LTC3000 - 2200kW		



### Diesel/Gas Electric - Battery Hybrid Propulsion

Shuttle tankers have a wide variety in operation modes, often in harsh offshore sea conditions. Operation flexibility from an efficient propulsion system, unmatched manoeuvring capabilities, and high redundancy are therefore essential to ensure safe operation of the vessel. The fully diesel electric propulsion system can be powered by generator sets driven by diesel or dual-fuel engines, or from the installed battery package. The battery ensures a dynamic system with possibilities for electric running mode powered by batteries, for peak shaving, and in general increased system redundancy.

A diesel-electric - battery hybrid system configuration is a fuel efficient and flexible system, with high redundancy, which can also lower the running hours of the power machinery and reduce maintenance cost.