



Sapura Kencana

Sapura Esmeralda - pipe laying support vessel - DP 2 - 2016

Scope of delivery:

- ✓ 2 x HV main switchboards 6,6 Kv
- ✓ 2 x auxiliary switchboards 440 V
- ✓ 4 x HV main generators up to 4100 KVA
- ✓ 6 x water cooled thruster drive systems
- ✓ 6 x thrusters up to 2500 kW
- ✓ 13 x HV transformers 6,6 Kv
- ✓ Delivery & installation of all electrical cabling

Bakker Sliedrecht engineered, delivered, installed, and commissioned the complete electrical installation of the Sapura Esmeralda. This 300-ton pipe laying support vessel has been developed for operations in the Brazilian offshore market.

Made fit for the Brazilian offshore market

The Sapura Esmeralda is a high-end pipe laying support vessel that meets the highest standards and latest regulations. The vessel was originally not intended for usage in the Brazilian offshore market. Therefore, Bakker Sliedrecht had to make changes on the initial design, thus complying with Brazilian regulations and the requirements of Sapura Kencana.

This process went smoothly thanks to Bakker Sliedrecht's broad engineering capacity. Furthermore, the vessel was built according to the "safety for special purpose ships" regulation, increasing the safety of the crew.

Installation of the complete electrical installation

The complete electrical installation, excluding the mission equipment, was installed by Bakker Sliedrecht. Including the delivery, installation and commissioning of the main generators, propulsion engines, automation, control desks, and drive systems.

Bakker Sliedrecht has taken care of the complete cabling on board this pipe laying support vessel. We were involved in this project from the pre-outfit with secondary steelwork. Installing and commissioning the complete electrical installation was performed within a tight schedule.

Equipped with Advanced Generator Supervisor

The Sapura Esmeralda has been equipped with an Advanced Generator Supervisor (AGS). This system monitors active and reactive load sharing between the installed generator sets. AGS is required when operating in DP with closed bus tie main switchboard configuration.

Successful sea trials in Brazil

Bakker Sliedrecht also participated in the vessel's sea trials that were conducted successfully in Brazil.



Do you have any questions?

Call: +31(0)184 43 66 66

Mail: info@bakker-sl.nl