



## Inai Kiara

Inai Kenanga – Trailing suction hopper dredger - 2016

### Scope of delivery:

- ✓ 1 x HV main switchboards 6,6 kV
- ✓ 1 x Auxiliary switchboard 690 V
- ✓ 6 x LV s auxiliary switchboards 440 V
- ✓ 2 x HV main generators up to 9500 kVA
- ✓ 1 x Emergency generator 1000 KVA
- ✓ 2 x Rotating converters 2 MW
- ✓ 2 x Bow thrusters
- ✓ 6 x LV drive systems
- ✓ Dredging automation
- ✓ BIMAC vessel management system
- ✓ Complete nautical and navigation equipment

Bakker Sliedrecht engineered, delivered, and commissioned all main electrical installations of the Inai Kenanga. This 33.335 m<sup>2</sup> trailing suction hopper dredger was built at the shipyard of Selat Melaka in Malaysia.

The Inai Kenanga is the biggest trailing suction hopper dredger in Malaysia and the world's third biggest. Bakker Sliedrecht has been responsible for all main electrical installations of the vessel, including vessel automation and dredging automation.

The main electrical installations have been designed and engineered by the large engineering team of Bakker Sliedrecht. All drive systems and switchboards of the trailing suction hopper dredger have been built in the workshop of Bakker Sliedrecht in the Netherlands and shipped to Selat Melaka in Malaysia.

Bakker Sliedrecht has equipped the Inia Kenanga with six low voltage drive systems, including two jet pump drive systems, and two drive systems for the suction pipe. BIMAC, the purpose-built vessel management system that is designed by Bakker Sliedrecht, was also installed on the Inai Kenanga.

Furthermore, Bakker Sliedrecht took care of the complete dredging automation on board the trailing suction hopper dredger. The dredging automation system allows the operators to accurately control the movements of the suction pipe. It also offers the operators real-time productivity information to monitor the dredging process.

Bakker Sliedrecht participated in the vessel's sea trials that were conducted successfully in Malaysia. During the sea trials, all equipment has been fine-tuned and tested thoroughly to ensure the reliability of this great trailing suction hopper dredger.



**Do you have any questions?**

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