

**Scope of delivery:**

- ✓ 2 x common DC bus drive systems
- ✓ 2 x main DC bus switchboards
- ✓ 6 x squirrel cage induction motors

Australian Government

Antarctic Supply Research Vessel - 2017

For Damen Shipyards Group, Bakker Sliedrecht is delivering a flexible electrical propulsion system for an Antarctic Supply Research Vessel (ASRV). The vessel is being built for the Australian Government and will form an integral part of the Australian Antarctic Program program in the coming years. The ASRV will supply Australia's permanent research stations in Antarctica and Macquarie Island, with cargo, equipment and personnel. Designed with 500 m² on-board laboratory and office facilities, the vessel will also serve to conduct research activities.

Flexible electrical drive system

The ASRV will be equipped with an electrical propulsion system that enables flexible use of the available power on board as multiple power configurations are supported. Furthermore, the DC drive configuration enables power take in off and power take off use of the electric propulsion motor. These advanced options are required to allow the ice breaker to function in multiple operational profiles, such as ice-breaking and silent sailing mode.

Bakker Sliedrecht is responsible for the design, engineering, production, FAT-testing, certification, and commissioning of the delivered installations.

Broad experience with silent electrical propulsion systems

Bakker Sliedrecht is looking forward to working on this project as engineering and delivering electrical propulsion systems for special purpose vessels is one of our core competences. The Antarctic research vessel will be built at Damen Shipyards Galati in Romania and is scheduled for delivery in 2020.



Do you have any questions?

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