



AvK[®] MARINE

Case history

Diving Support Vessel Seven Atlantic

Where:

**Launched at the IHC Merwede yard in Hardinxveld Giessendam, Netherlands.
Operating in the North Sea based in Aberdeen, Scotland**

Specified:

**6 x AvK[®] DIG 156 alternators and
1 x AvK[®] DSG 86 alternator**

Purpose:

**Diving support vessel for saturation and
air diving support work**

Seven Atlantic, the diving support vessel was designed by IHC Merwede Offshore & Marine in collaboration with its owner Subsea 7 and the maritime engineering company Bakker Sliedrecht. Its power is generated by 6 x AvK DIG 156 synchronous alternators backed up with 1 emergency AvK DSG 86 alternator, specified by Bakker Sliedrecht.

Being one of the most advanced and most capable diving vessels in the world, Seven Atlantic contains a broad range of diving and ROV (Remotely Operated Vehicle) equipment and a 120t crane for subsea on board. She also features a 24-man saturation diving system rated to 350m depth, twin diving bells orientated port and starboard with two hyperbaric lifeboats.



STAMFORD | AvK has been partnering with Bakker to provide industry leading AvK alternators for many years. This partnership provides dedicated technical support to ensure that Bakker Sliedrecht selects the right product to meet their needs

With a length of 145m and a breadth of 26m it is one of the largest diving support vessels worldwide. Bakker Sliedrecht, who is the world leading engineering company for complete electrical systems on high-engineered ships, was responsible for the delivery of the alternators, gensets and the emergency alternator, the entire electrical installation on the vessel, the main switchboards, various frequency drives and propulsion motors, the motors for the thrusters and several rotating converters.

The 6 x AvK DIG 156 diesel alternators on Seven Atlantic are divided over three engine rooms and have a maximum output of 3,600kVA, a speed of 720rpm, a voltage of 6,660V and a frequency of 60Hz. The AvK DSG 86 emergency alternator has a maximum output of 1,875kVA, speed of 1,800rpm, voltage of 440V and a frequency of 60Hz.

This is only one of many projects where Bakker Sliedrecht have specified AvK alternators. The reputation for quality and reliability, coupled with outstanding technical support made STAMFORD | AvK the logical partner for Bakker. Seven Atlantic's sister ship, the Seven Pacific, also part of the Subsea 7 fleet, features 5 x AvK alternators providing again 17MW of power, is also now fully operational.

We are here to support your future decarbonisation goals, through our end-to-end expertise in versatile solutions. Backed by the reassurance of our world-renowned brands recognised for reliability and complete peace of mind, we are with you on your journey towards sustainability.



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