



# TESO

Dokter Wagemaker Ferry - 2016

### Scope of delivery:

- ✓ (Retrofit) Engineering
- ✓ Assembly
- ✓ Installation
- ✓ Commissioning

Bakker Sliedrecht is going to extend the lifetime of the ferry Dokter Wagemaker with 14 years by retrofitting the frequency drives. The Dokter Wagemaker has been transporting passengers safely between the Dutch mainland and the Isle of Texel since 2006.

### Lifetime extended until 2030

Bakker Sliedrecht has been responsible for maintaining the electrical systems of the Dokter Wagemaker after having installed the systems during the build of the vessel. When TESO declared that they intended to keep the vessel operational until 2030, Bakker Sliedrecht foresaw issues with providing service during this period. For instance, obtaining the right spare parts could have become extremely difficult or even impossible. Therefore, Bakker Sliedrecht advised TESO to replace the frequency drives in order to guarantee the reliability and availability of the vessel during its entire lifetime. This proposal also enabled TESO to save on maintenance costs.

Marc Bakker, Manager of the Technisch department of TESO: “ We really appreciate the fact that Bakker Sliedrecht actively advised us about how to maintain the propulsion system in order to guarantee the availability and reliability of the vessel during its entire lifetime.

### First use of ABB ACS 880 liquid cooled drive converter worldwide

To extend the lifetime of the propulsion system, four existing ABB ACS 600 drive converters are going to be replaced by the new ABB ACS 880 liquid cooled type. This solution will be certified by various maritime classification bureaus. The Dokter Wagemaker will be the first vessel in the world with ABB ACS 880 liquid cooled drive converters. TESO will benefit from the drive converter upgrade because of:

- Higher efficiency
- Reduced maintenance costs
- Control platform can be used for a wider range of applications
- Greater availability of spareparts and service

The lifetime extension of the propulsion system is scheduled for delivery in 2017.



**Do you have any questions?**

Call: +31(0)184 43 66 66

Mail: [info@bakker-sl.nl](mailto:info@bakker-sl.nl)