**The TOK 176.1 Hybrid Boat**

**An innovative Hybrid Solution for Engines and Industry**

**The hybrid drive for industry and boats is a modern answer to one of today ‘s ecological issues: How can emissions be reduced? How can air and water be saved while achieving noise reduction? These are the questions that the hybrid system answers by setting new standards.**

The hybrid product is last but not at least the results of time, development and investment. It masters today ‘s challenges and is perfectly suited for a multitude of applications, it is also versatile as we will read in the following article.

**This is how the hybrid drive works**

The hybrid product supports both pneumatic and hydraulic coupling systems, an integrated electric motor serves as a generator for the batteries.

**This is what the hybrid system is composed of:**

1. The electric drive is the heart piece of this  
   environmentally friendly system. It is running totally emission-free and generates no noise.
2. As is typical of a hybrid system, the electric motor is combined with a conventional diesel engine to charge the batteries.
3. The special feature of the hybrid drive is the so-called booster. This function allows for a higher propulsion power thanks to the simultaneous use of the diesel engine and electric drive.
4. The TOK 176.1 HN coupling decouples the vibrations of the diesel engine from the remainder of the system and dampens harmful shocks so that the entire system is running smoother. The hybrid drive with integrated, highly flexible coupling adds to the comfort and performance of pleasure boats and yachts in the main.

High operational performance, in various applications, emissions and reduced noise levels. A drive for the future.

**REICH** - We supply not only a coupling, but a solution