



KENDRION SOLUTIONS

## Sensorless motor control for battery-powered rescue equipment

Life-saving reliability

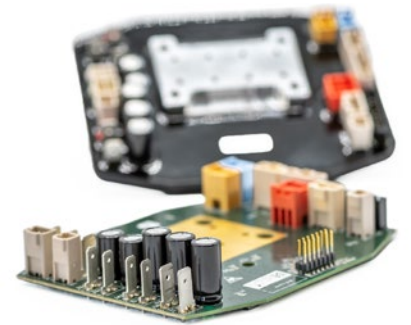
For a fast and reliable rescue, for example, in a car accident, first responders need state-of-the-art rescue tools that are as fast as possible ready for use and, at the same time, offer the highest performance. For the latest generation of such hydraulic rescue tools, which work free of cable, 3T developed – together with the customer – the sophisticated power supply management and super-efficient and clever motor control system.

The customer-specific electronic module efficiently powers the installed electric drive from the battery and includes sophisticated control software to achieve the optimal pump setting for each operating mode. In addition, the system is robust and reliable, as it must be submersible and tolerate the roughest conditions.

3T offers its customers many advantages in developing sensorless motor control systems. In addition to many years of experience, a focus on co-development, and using the latest development methods, the team has its proprietary development platform, “VIPER.” VIPER is a high-performance control system that can flexibly adapt to different customer requirements.

### Product features

- 28V battery-powered
- Central control system with various interfaces
- HMI control functions
- Error logging and statistics



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