

# Integration of direct drives in your application

**KESSLER energy GmbH** operates within the KESSLER Group, using optimised assembly lines for the production of electrical drives.

KESSLER energy accompanies the product from the electrical and mechanical design phases, numerical calculations using finite element methods and analytical calculation programmes through to the testing, commissioning and parameter optimisation of the end result. KESSLER motors meet the highest efficiency requirements.

With the **ADRENALINE** one-stop system, KESSLER energy GmbH has set completely new standards. An innovative one-stop system with perfectly matched components allows contemporary application in the water, on the ground and in the air.

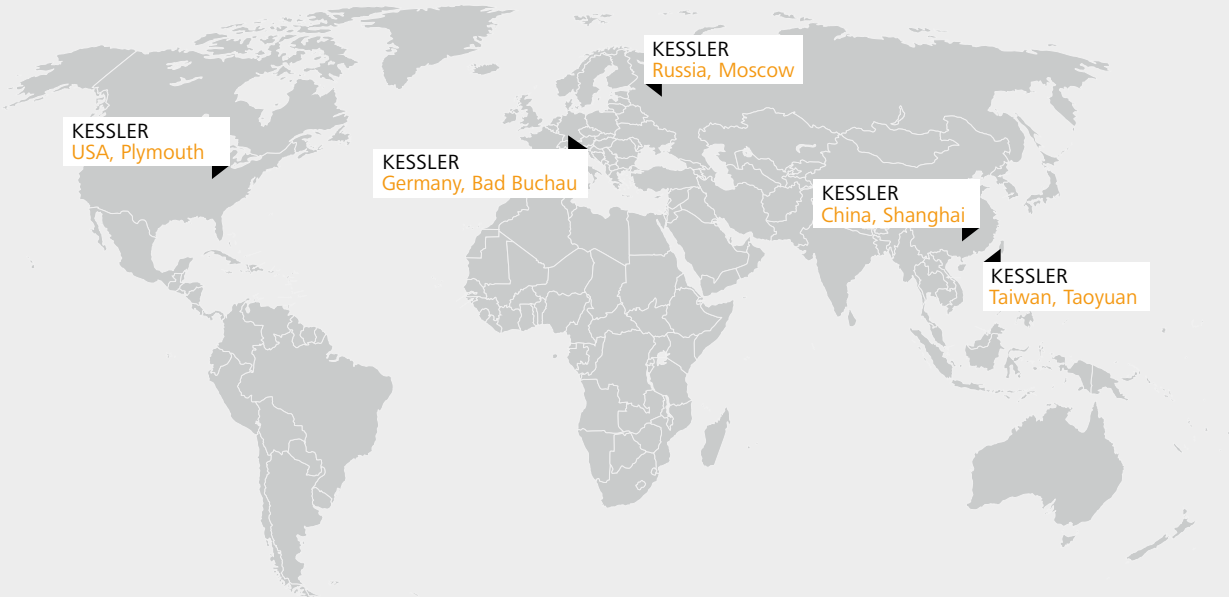
## End-to-end precision from the components to the on-site service

**Founded in 1923 by Franz Kessler, the company has developed to become the leading supplier of motor spindles as well as directly driven 2-axis heads and rotary tilt tables for the machine tool industry.** KESSLER is proud to list many major companies from the mechanical engineering sector amongst its long-standing customers.

With the expertise of more than 95 years, KESSLER is continuously developing and optimising its products. The KESSLER product range serves a wide range of sectors, processes and applications. Close cooperation with our customers remains our key focus. The extensive product range, from hightech spindles, 2-axis heads, rotary and rotary tilt tables to motors and direct drive systems, enables KESSLER to implement customised solutions with speed and flexibility.

Service is a matter of trust. Rely on us as your trusted service partner: KESSLER has an established global network of technology and service centres.

# Operating Worldwide for our Customers



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# ADRENALINE

Our drive creates your solutions

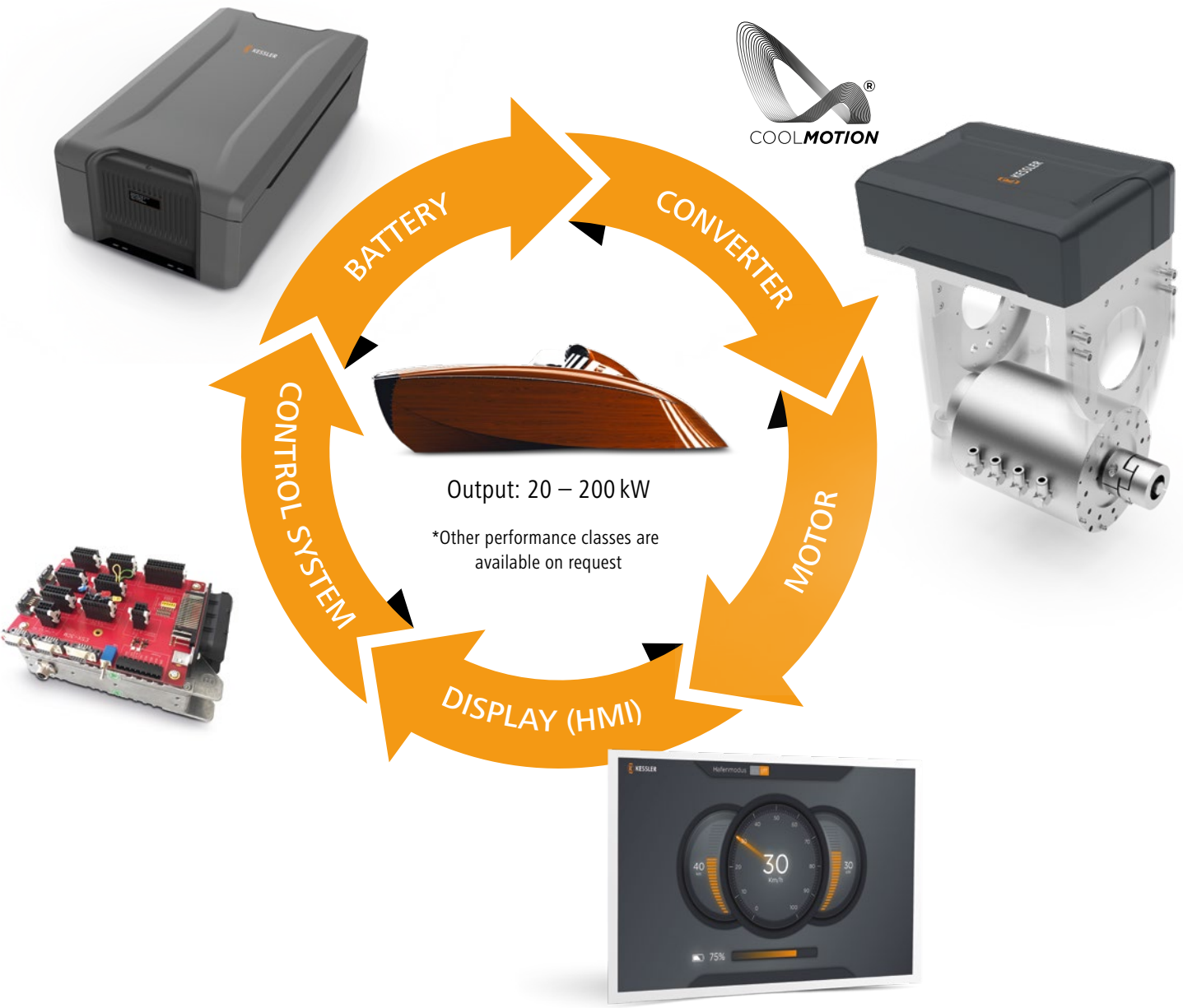




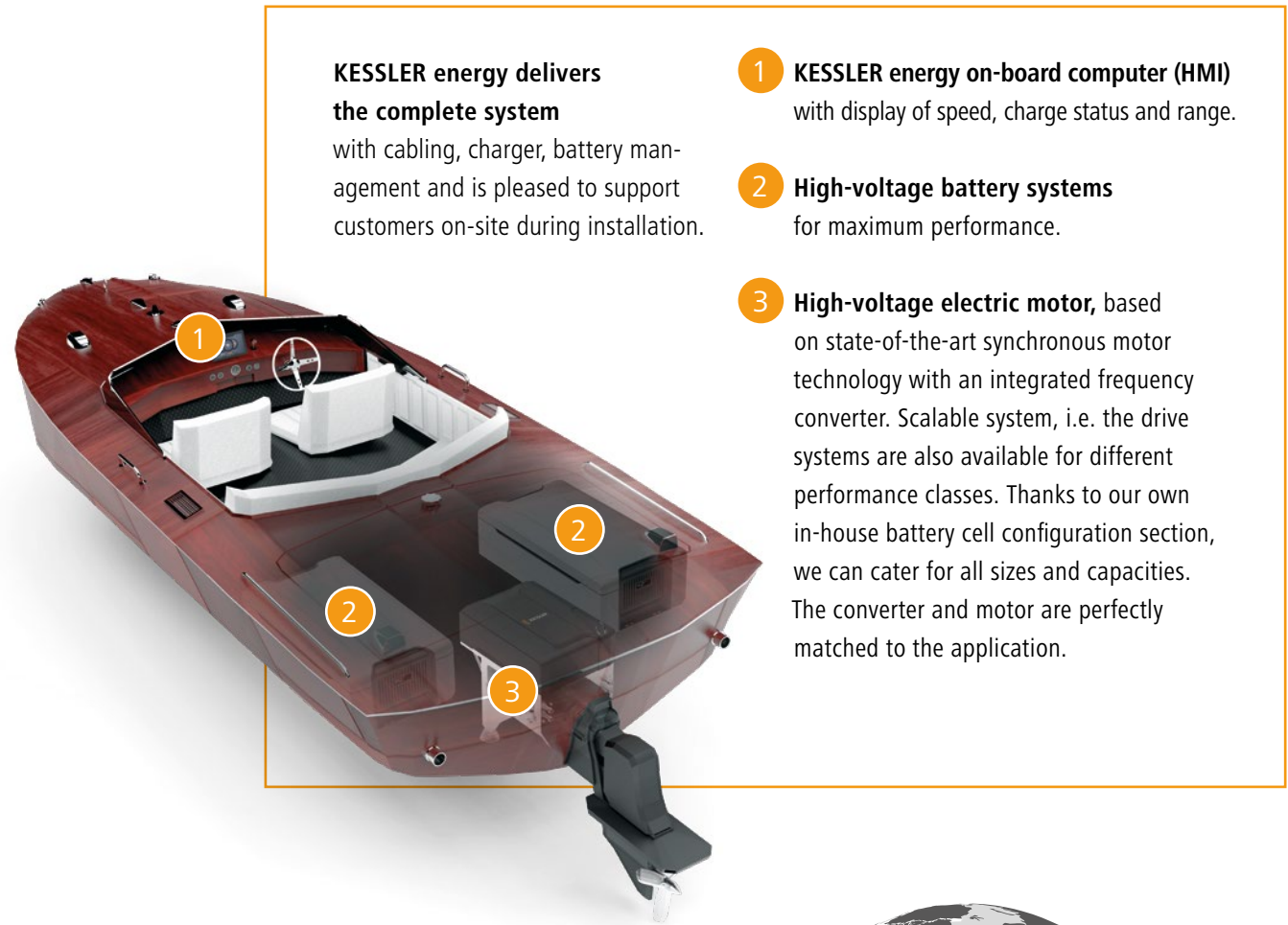
# KESSLER sets new standards with systems from a single source

The **ADRENALINE** propulsion system is equipped with a KESSLER direct drive – based on innovative **COOLMOTION®** technology with an integrated frequency converter. The converter and motor are perfectly matched modules and are available individually as an option. The motor is powered by a fail-safe storage system from our own battery design section and offers very high energy density and durability.

The skipper can monitor key parameters by means of the on-board computer, developed specially by KESSLER energy, which displays the speed, the state of charge and the range. Maximum safety is guaranteed by a monitoring system consisting of an interlock and insulation monitoring as well as the state-of-the-art high-voltage system based on the latest e-mobility standards.



# Customised system according to your requirements



# Global service

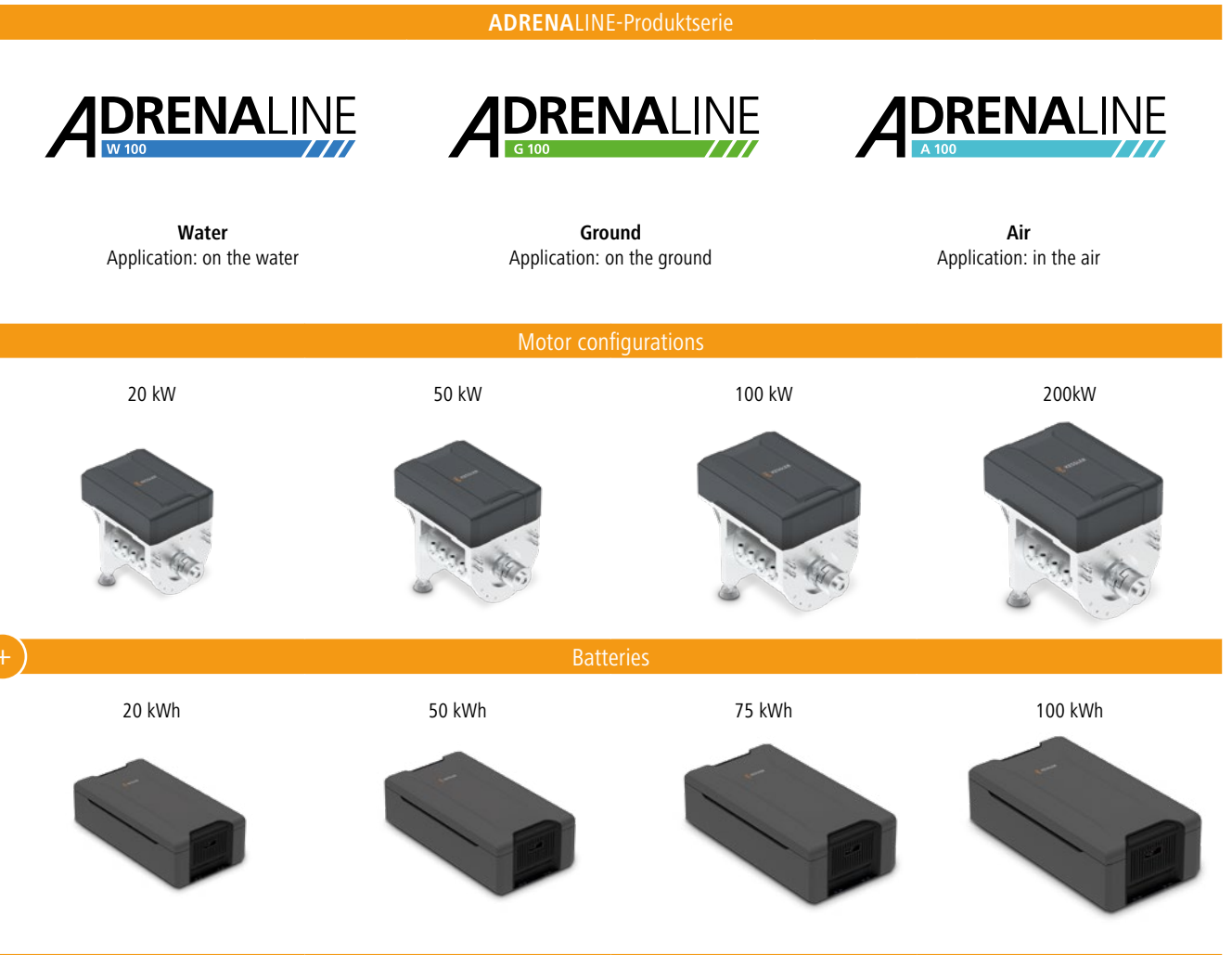
With our networks in USA, Taiwan, China and Russia we are able to respond to service events internationally. Our worldwide branches ensures that you will get fast and competent help on site.



# The modular ADRENALINE drive system

By focussing our expertise on a core area of motor technology, we have been able to develop a clear technological lead: and this enables us to coordinate all our assemblies so they are perfectly matched to each other.

Depending on your requirements, you can configure your own complete system individually. Take full advantage of our modular system to define your motor and battery performance and the field of application and send us your enquiry.



\* Availability on request