



Experience & Innovation: ZF Offers Unmatched Manoeuvrability with New Electronic Control System TotalCommand

- **ZF brings industry-leading shifting performance and manoeuvring to wide range of recreational and professional vessels**
- **Modular layout: TotalCommand can be customized for any vessel and application**
- **Plug-and-play architecture facilitates vessel integration and reduces installation times**

Friedrichshafen / Cannes. With TotalCommand, ZF brings a brand-new marine control system to market that offers unrivalled cruising and manoeuvrability performance for a wide range of recreational and professional vessels. With an elegant Italian design aimed at maximized user-friendliness, it allows the captain to control the vessel's main propulsion system in a precise, efficient, and easy way. TotalCommand will be introduced during the 2021 Cannes International Boat Show.

ZF is leveraging more than sixty years of experience in designing maritime control systems with TotalCommand, a brand-new industry-leading electronic control technology. TotalCommand is fully compatible with ZF's latest transmission shifting technology, therefore providing unmatched clutch responsiveness, optimized control of proportional valves, and adaptive gear engagement. "At ZF, we have spent great effort to make TotalCommand the one-fits-all manoeuvring solution for a variety of professional and recreational vessels," explains Federico Decio, Managing Director ZF Padova S.r.l., Head of Product Line Pleasure Craft. This approach not only includes its modular layout that allows adding up to six control stations and up to six drivelines, but also extends to its overall style by famed Italian designers Giorgetto and Fabrizio Giugiaro, which lets TotalCommand neatly blend into the most elegant of cockpits.

Combining control with comfort

ZF has developed TotalCommand as the new benchmark in responsiveness, intuitiveness, and adaptability. It starts with its "one button, one function" approach to operation, then continues to its



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modular layout, which allows up to six control heads and options like joystick manoeuvring system JMS, the automatic positioning system iAnchor or the drift speed and heading control iDrift – to be integrated into the console. All system parameters can be configured from the bridge, including the option to automatically maintain the same speed on multiple engines, improving operating efficiency, fuel economy, noise, and vibration, with all engines and transmissions coming under the control of one lever. Additionally, TotalCommand provides detailed telematics data regarding temperature, pressure, and output speed, giving the captain an extensive overview of the propulsion system's health. "All in all, TotalCommand brings you complete control of your ship's thrust and manoeuvring", says Mr. Decio.

For manufacturers and designers, ZF has implemented a plug-and-play architecture. With fewer harnesses and the option for a transmission-mounted processor, installation time is reduced considerably. TotalCommand is future-proofed by being Wi-Fi ready – allowing electronic manuals, diagnostic and maintenance data available via smartphone. As it is standard for ZF's marine technology, the system is rigorously tested to the highest industry standards and developed according to rules of classification societies such as AMSA, Maritime NZ, ABS, DNV, Lloyds, USCG, ABYC and more.

TotalCommand will celebrate its public premiere during 2021 Cannes International Boat Show.

Caption:

With TotalCommand, ZF offers unmatched marine manoeuvring precision and performance.

Image: ZF

Press contact:

Gernot Hein, Head of Communication & Public Affairs / Press
Spokesperson, Industrial Technology Division,
phone: +49 851 494 -2480, e-mail: gernot.hein@zf.com

Dusanka Novakovic, Marketing and Communications, Marine & Special
Driveline Technology Business Unit,
phone: +49 7541 77 969445, e-mail: dusanka.novakovic@zf.com



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About ZF

ZF is a global technology company supplying systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility. ZF allows vehicles to see, think and act. In the four technology domains of Vehicle Motion Control, Integrated Safety, Automated Driving, and Electric Mobility, ZF offers comprehensive product and software solutions for established vehicle manufacturers and newly emerging transport and mobility service providers. ZF electrifies a wide range of vehicle types. With its products, the company contributes to reducing emissions, protecting the climate and enhancing safe mobility.

In fiscal year 2020 ZF reported sales of €32.6 billion. The company employs more than 150,000 associates at approximately 270 locations in 42 countries.

For further press information and photos, please visit: www.zf.com