

WITTENSTEIN motion control provides intelligent and integrated drive systems of highest reliability – which are easy to control and handle intuitively.

State-of-the-art engineering know-how and broad experience combined with creativity and awareness of the future are the main keys for successful development projects. In addition, the close cooperation of our experts with you guarantees solutions that best fit your requirements. All WITTENSTEIN employees stand proudly for superior product quality, convincing solutions, on-time-delivery as well as fast track service and support.



Solutions for Special Applications under Extreme Conditions for Air, Ground and Sea

Your Benefits:

- Customer oriented system engineering
- Short term development and manufacturing of customized designs
- Production and assembly based on tried-and-tested manufacturing processes
- Maintenance free products
- Worldwide customer support
- Systems intuitive to handle and easy to set up

Contact

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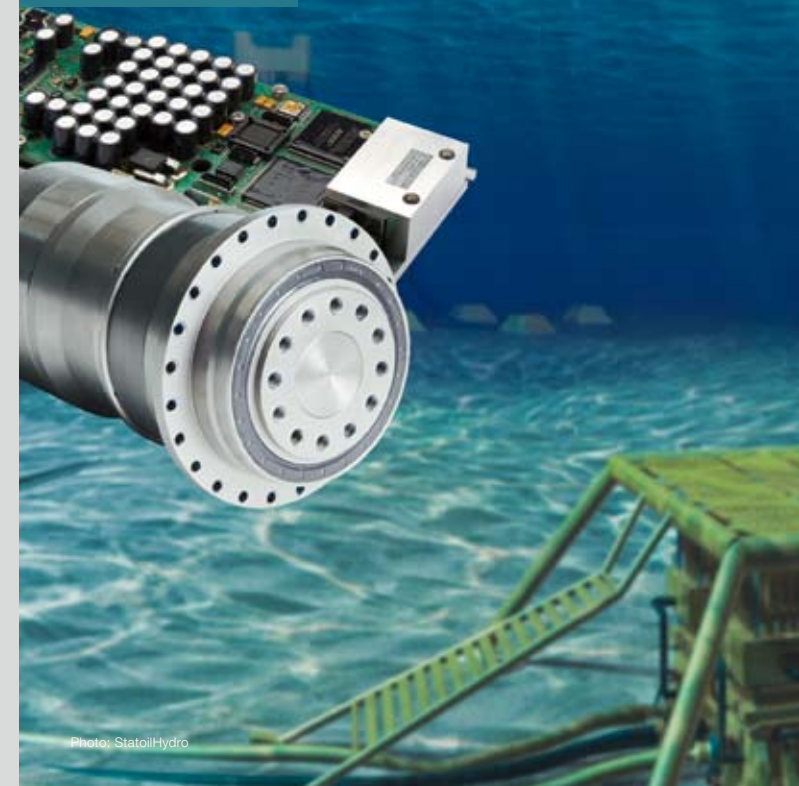
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WITTENSTEIN – being *one* with the future

www.wittenstein-motion-control.de

Mechatronic Actuators for Extreme Requirements

Integrated Systems
from One Source



Our Know-how:

- Design and manufacture of electromechanical actuators which are:
- Highly reliable
 - Highly integrated
 - Highly precise and dynamically optimised
 - Of compact style and functional design
 - Built for extreme environmental conditions



Serving Technology Markets

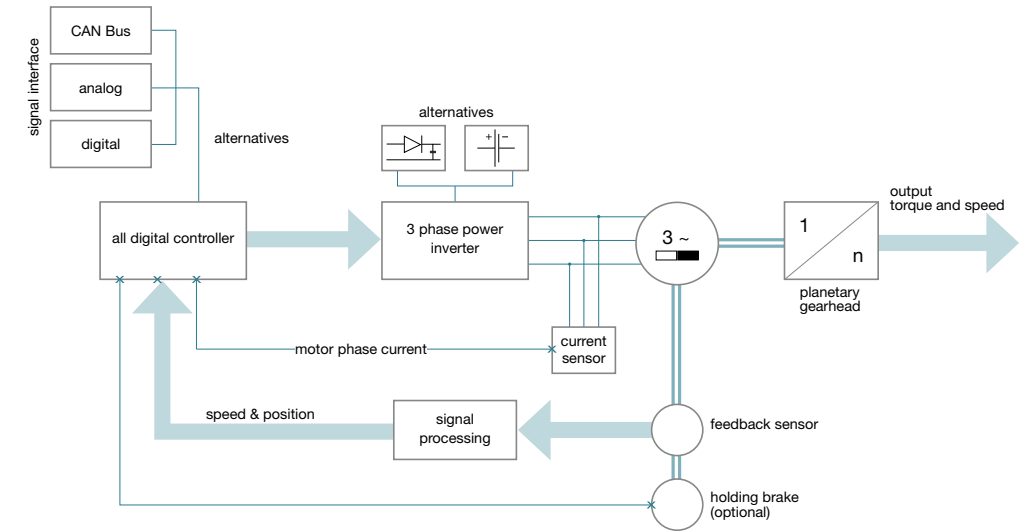
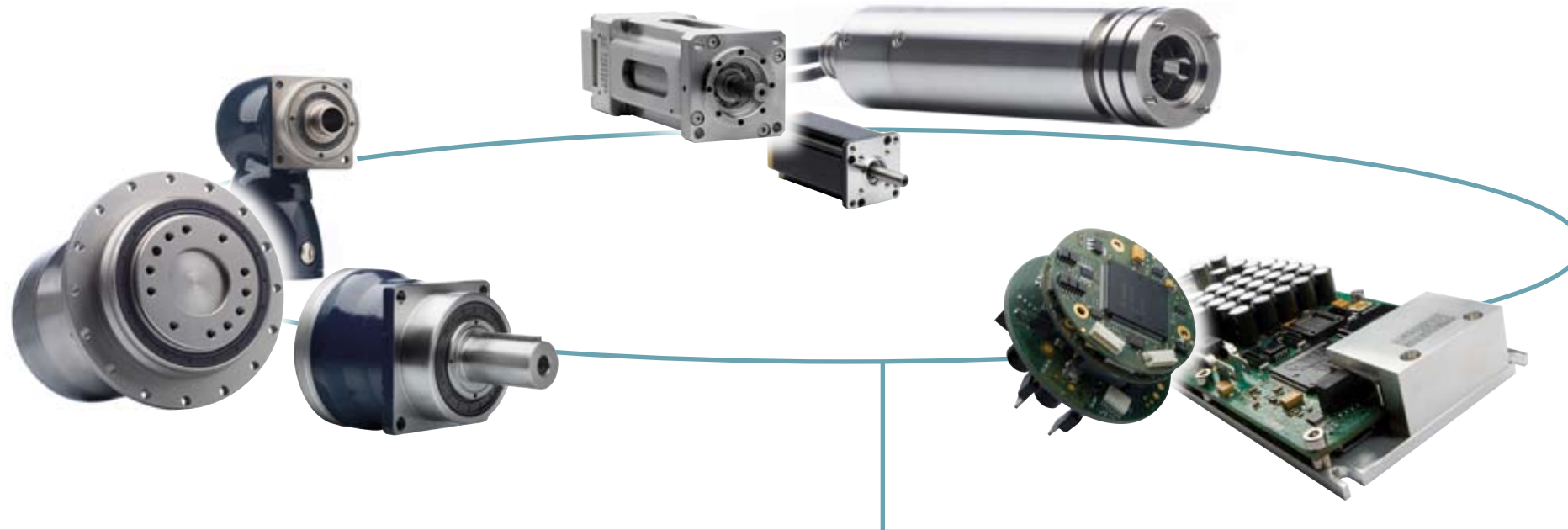
- Oil & Gas / Subsea
- Military
- Aerospace
- Robotics
- Medicine

Photo: WEG e.V.

Photo: StatoilHydro

Integrated Systems from One Source:
WITTENSTEIN motion control

Perfectly Harmonised Components for a Closed Feedback Control Loop



Specialized in low-backlash planetary and spure gears

Specialized in brushless servomotors with high performance technology

Specialized in power and control electronics for high and low voltage technology

- Based on widely deployed WITTENSTEIN technology
- Product range up to 10.000 Nm output torque
- Planetary gear ratio from 4:1 to 220:1
- Extraordinary overload capacity
- Extremely high stiffness
- Standard backlash < 1 arc min
- MTBF: 320.000 hours (e.g.)

- Product range from 10 W up to 200 kW
- Ambient temperature up to 480°F / 250°C
- Operation in oil and other fluids
- Pressure resistant up to 25.000 psi
- High power density
- Extraordinary overload capacity
- MTBF: 395.000 hours (e.g.)

- Product range from 18V up to 600V DC bus voltage
- 15A up to 400A output current
- Customized housings and electric connections
- Ambient temperature up to 165°F / 75°C
- Shock and vibration proof tested
- EMC-qualified
- Protected against explosions (ATEX), if required
- MTBF 75.000 hours (e.g.)
- Digital controllers with field proven software

All our products are designed for extreme environmental conditions and based on common modules – built and assembled in reliable manufacturing processes of the WITTENSTEIN group

