



New industrial gearboxes boost power density by up to 40%

- **Newly designed modular system for industrial gearboxes offers increased power density and greater flexibility**
- **Rounding off of the product portfolio and launch of new solutions for Condition Monitoring and Predictive Maintenance**
- **Sole provider of complete systems made of drive-, swing- and winch gearboxes as well as pump distributor gearboxes for mobile off-highway machines with a machine weight in excess of 60 tons**

Passau/Munich. A broad product spectrum paired with many decades of experience, exceptional production quality, worldwide services and our leading edge in the field of condition monitoring systems make the industrial drives from ZF the product of choice.

The latest generation of ZF industrial gearboxes is based on a newly designed modular system which enables a significant increase in power density of up to 40% versus the previous industrial range. Flexible adaptations for customer-specific motor connections as well as further innovative solutions such as hydraulically shiftable transmissions and infinitely variable speed regulation emphasize the innovative power of ZF Industrieantriebe Witten GmbH.

The new industrial range allows higher torques to be accommodated and the flexibility of drive end motor adaptations to be enhanced. In addition, newly developed installation sizes round off the available product portfolio.

One of the biggest challenges of the digital age is the networking of transmissions and applications in the industrial sector. With the cloud-based Performance Management System "ZF ProVID", ZF is tackling this issue head-on with the permanent condition monitoring of the complete drive systems. Thanks to an early detection of potential damage, preventive maintenance measures can be taken in order to reduce downtimes and significantly increase maximum availability. Following



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on from the successful application of such systems in ropeways, the experience gained is now being used to modify the system for other industrial applications.

ZF Industriebetriebe Witten GmbH is the only full-service provider for all gearboxes for mobile off-highway machines weighing in excess of 60 tons: drive-, swing and winch gearboxes as well as pump distributor gearboxes from a single source.

As part of this concept, particular importance is attached to the comprehensive service for the entire product range: the global alignment of the regional ZF service centers in Europe, Asia and the USA ensure a rapid response to all maintenance and service queries and, as a result, optimal customer care on site.

Image caption:

20) Performance Management System ZF ProVID

21) Complete range for off-highway machines from ZF Industrial Drives

Images: ZF

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ZF Friedrichshafen AG

ZF is a global technology company and supplies systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility. With its comprehensive technology portfolio, the company offers integrated solutions for established vehicle manufacturers, mobility providers and start-up companies in the fields of transportation and mobility. ZF continually enhances its systems in the areas of digital connectivity and automation in order to allow vehicles to see, think and act.

In 2018, ZF achieved sales of €36.9 billion. The company has a global workforce of 149,000 with approximately 230 locations in 40 countries. ZF invests over six percent of its sales in research and development annually.

For further press information and images, see www.zf.com