

Bonfiglioli's solutions for electric mini excavators shown at iVT Expo 2024

Calderara di Reno, Bologna, 10th July 2024 – At the iVT Expo, the annual international exhibition showcasing **components, services and technologies** applied to the next generation of **industrial vehicles**, Bonfiglioli showcased its **highly advanced kit** consisting of two electric drives and one electric motor designed for **battery-powered mini-excavators**, but suitable also for other compact off-highway machines. An extraordinary innovative solution that allows for a **20% improvement in energy efficiency**.

A super performing kit among the most reliable solutions for earth-moving machines, which more specifically combines three different components:

- An **electric Swing Drive of the 700TE Series**: extremely **compact and performing**, this series offers **high torque in a limited space** and integrates an electromagnetic brake, as well as speed and temperature sensors.
- An **electric Track Drive of the 700CE Series**: among its benefits for OEMs are **ease of installation**, higher system reliability thanks to **fewer mechanical parts** and the virtually **maintenance-free electric motors**
- An **electric Motor for Pump Drive of the BPM Series**: featuring a permanent magnet motor with SAE connections, the BPM Series is the best choice in case of electrifying mobile machinery. This series is dedicated to **linear actuators which can be left unchanged**, while the **hydraulic pump is driven by electric motor**. The latter, specifically designed for mobile pump applications, offers a **high degree of protection**, a **high torque density**, **low noise** and **easy maintenance**.

A turning point towards electrification

The new swing and track drives of Bonfiglioli make a turning point towards electrification, enabling customers to implement a complete electric solution for track and swing drives of mini excavators. In this way, Bonfiglioli offers a fully electric alternative to traditional hydraulic units made with axial piston motors, which allows for **reduced noise levels and consumption**, as well as **virtually zero CO₂ emissions**. The fully electric transmission significantly improves machine efficiency and allows users to extend maintenance intervals, ensuring a **substantial reduction in total cost of ownership (TCO)**. While the mechanical part of the gearmotors benefits from Bonfiglioli's over 65 years of experience in the traditional hydraulic applications sector, the electric motors have been designed and developed specifically to meet the high market demands for energy efficiency, compact size and high-power density. Each motor has been designed to **perfectly fit the available space** for the **rotation and translation system**, meeting the **dimensional requirements** of these applications and **minimizing modifications to the frame and system as a whole**.

The **wide range of solutions**, combined with **advanced high-quality technology** and **deep expertise**, makes Bonfiglioli the ideal partner for all construction machine manufacturers. Many years of experience in the sector demonstrate that Bonfiglioli is capable of designing, developing, and manufacturing robust customized solutions, tailored to meet customers' needs and requirements.

PRESS RELEASE



Bonfiglioli Group

Bonfiglioli is a worldwide designer, manufacturer and distributor of a complete range of gearmotors, drive systems, planetary gearboxes and inverters, which satisfy the most challenging and demanding needs in industrial automation, mobile machinery and renewable energy. The Group serves more industries and applications than any other drives manufacturer and is a market leader in many sectors; its three business areas - Industry & Automation Solutions, Mobility & Wind Industries, Selcom Group - embody all the expertise and experience acquired over the years in the respective industries. Established in 1956, Bonfiglioli operates worldwide in 80 countries with 23 commercial sites, 18 production sites, a wide distribution network comprising more than 550 partners, and can count on over 4.700 professionals. Excellence, innovation, and sustainability are the drivers behind the growth of Bonfiglioli as a company and team and represent the guarantee of the products and services quality offered its clients.

More information available at www.bonfiglioli.com.

Media relations | Lbdi Communication – Beatrice Cevolani – b.cevolani@lbdi.it – Chiara Ravanelli – c.ravanelli@lbdi.it Ginevra Fossati – g.fossati@lbdi.it Tel. + 39 02 43 91 00 69 – Skype Lbdi_PR

Internal & External Communication Manager | Bonfiglioli - Laura Manfredi - Laura.Manfredi@bonfiglioli.com