

PRESS RELEASE



Bonfiglioli showcases Cutting-Edge Electrification solutions at iVT Expo 2025 in Cologne

Calderara di Reno, Bologna, 11th June 2025 — Bonfiglioli is showcasing at **iVT Expo 2025** in Cologne, the premier international exhibition for next-generation industrial vehicle technologies. At this year's event, Bonfiglioli presents its **latest advancements in the e-mobility** sector, targeting, among others, **construction** and **agricultural machinery**. These advancements underline Bonfiglioli's strategic commitment to **sustainability** and **innovation** and its "full-line role" as provider of electrified motors and final drives.

A trusted partner for electric transformation

With almost 50 years of engineering expertise in electrified drives, Bonfiglioli supports its customers throughout the **transition to electrification**. Whether in **low-voltage applications** (48-96 volts) for compact machines or **high-voltage solutions** (400-700 volts) for heavier-duty systems, Bonfiglioli offers tailor-made, high-performance products designed to reduce Total Cost of Ownership (TCO) and maximize energy savings.

Bonfiglioli's electrification roadmap spans various sectors, from the **construction** and **road construction industry**, to the **agriculture** sector, where many projects and R&D activities are ongoing and the demand for electrified solutions is on the rise.

More efficient construction machinery with Bonfiglioli's electrified systems

For construction equipment, Bonfiglioli showcases its cutting-edge solutions developed for machines ranging from **2.5 to 5 tons** - mini excavators – and from **5 to 30 tons** – midi excavators. In both cases, the **electrification of auxiliary functions** encompasses the **swing drive** and the **motor for pump drive**, enabling a new standard in energy-efficient, low-noise, and low-maintenance machinery. Displayed at iVT Expo is a **solution for midi excavator**, combining an **electric swing drive** of the **700TE Series**, ultra-compact and high-performing, equipped with an electromagnetic brake and speed and temperature sensor and an **electric motor for pump drive of the BPM Series**, featuring permanent magnets with SAE connections. The system is completed by two inverters responsible for motor control.

Bonfiglioli offers high-performance solutions also for **compact track loader** solutions. For these machines - ranging from 1.5 to 6 tons – Bonfiglioli supplies the planetary track drive paired with high-power density electric motors, specifically designed for electric systems. The 5-6 ton compact track loader version also integrates, as optional feature, the **IoT functionality** through the sensorization of the gearmotor, allowing the user to view all the main operational data of the machine and use it correctly. Bonfiglioli's electrified solution represents a cutting-edge product available as standard on machines from leading manufacturers, already integrated by top OEMs.

For **road construction equipment**, Bonfiglioli is leading the change in electrifying key functions of **soil compactors** and **tandem rollers**, including the **drum drive**, **steering system** and **vibration functions**, for which Bonfiglioli is developing electric motors with dedicated characteristics.

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Bonfiglioli powers the future of agriculture with electrification

Backed by its long standing experience alongside major players on the market, Bonfiglioli is able to design and develop tailor-made drives for a wide range of applications in the agricultural sector, such as sprayers, harvesters, feed mixers and forestry machines. Responding to the rapid growth in autonomous and electric agricultural machines, especially in the **viticulture and root crop sectors**, Bonfiglioli is delivering **wheel and track drives** tailored for **1.5 to 6-ton autonomous vehicles**. The company's solutions, including drives of the 700 or 600 series combined with low-voltage permanent magnet motors (48–96V), are helping OEMs meet rising expectations for intelligent, electric and connected farming equipment. In this context, an interesting recent development concerns the electrification of **attachments**, which must ensure **full functionality** and **flawless communication with the machine**.

The **wide range of solutions**, combined with **advanced high-quality technology** and **deep expertise**, makes Bonfiglioli the ideal partner for all construction and agriculture 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.

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, 17 production sites, a wide distribution network comprising more than 550 partners, and can count on over 5.000 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 to its clients. More information available at www.bonfiglioli.com.

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