

## Media Release

Voith Turbo

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### **DIWA NXT – Efficient transmission technology offers benefits especially for intercity and regional bus services**

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- Even over long distances, the second overdrive gear ensures very comfortable ride
- Also heavy vehicles easily manage up to 12 percent inclines in second gear
- In combination, more economic vehicle operation thanks to significant fuel savings

**HEIDENHEIM, GERMANY.** Numerous bus operators worldwide are already enjoying the benefits of Voith's DIWA NXT automatic transmission system – especially for intercity and regional bus services. With its first mild hybrid transmission from the DIWA product family, the technology group is closing the gap between diesel-only vehicles and those with alternative drive concepts.

For operators of scheduled services in predominantly rural areas, the DIWA NXT offers the perfect opportunity to quickly and easily make their fleets much more environmentally friendly. In many regions, the infrastructure for operating sustainable drive solutions is still being developed in what is a costly and protracted process. More powerful electricity grids or the essential facilities for charging electric vehicles are just two of the tasks that need to be mastered enroute to more sustainable mobility.

The DIWA NXT automatic transmission enables fuel consumption to be substantially reduced even over long distances and at high speeds. Depending on the type of terrain covered, the mild hybrid ensures fuel savings of up to 16 percent thanks to its central CRU. The integrated secondary retarder allows most of the braking operations to be wear-free, which also substantially reduces the load on the service brake. These two factors not only enable more economic operation of the vehicles but also

help reduce harmful air pollutants and particulates, ensuring compliance with statutory regulations.

The efficient drive technology with a second overdrive also provides a high level of ride comfort even over long distances and at high speeds, making the journey much more pleasant for passengers and drivers alike.

Another advantage of the DIWA NXT comes into play in hilly terrain, because even in buses with a heavy gross vehicle weight, steep inclines are no obstacle thanks to the Voith drive concept. For example, buses weighing around 19 tons can easily manage inclines of 12 percent in second gear, making them much more efficient than buses with conventional drive systems.

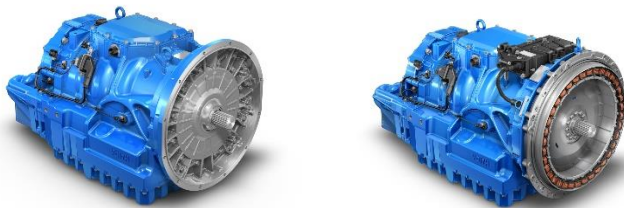
In combination, these qualities mean that vehicles with DIWA NXT offer especially high flexibility of use and demonstrate their high efficiency in both intercity and urban traffic.

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The DIWA NXT with and without Central Recuperation Unit (CRU).

## About the Voith Group

The Voith Group is a global technology company. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, paper, raw materials and transport. Founded in 1867, Voith today has around 22,000 employees, sales of € 5.2 billion and locations in over 60 countries worldwide and thus is one of the larger family-owned companies in Europe.

The Group Division Voith Turbo is part of the Voith Group and a specialist for intelligent drive technology, systems as well as tailor-made services. With its innovative and smart products, Voith offers highest efficiency and reliability. Customers from highly diverse industries such as oil and gas, energy, mining and mechanical engineering, ship technology, rail and commercial vehicles rely on the advanced technologies and digital applications of Voith.

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