

Media Release

Voith Group

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Voith presents innovative stop-start system for locomotives

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- OnEfficiency.StopStart enables the shutdown of the locomotive's traction diesel engine during waiting periods.
- Operators of locomotives benefit from operational savings and more efficient handling.

KIEL, GERMANY. The automatic OnEfficiency.StopStart system from Voith contributes to more efficient rail freight transport of the future. By switching off the traction engine of a locomotive during long waiting periods, operators save fuel and thus reduce costs and emissions.

In daily operations, the loading and unloading of vehicles as well as line bottlenecks or the train formation process lead to long waiting times. As a result, locomotives are operated at idle for more than 30 percent of their operating time. In the future, OnEfficiency.StopStart from Voith will enable automatic engine shutdown and restart during these phases. The innovative monitoring system from Voith permanently monitors important status variables of the engine and auxiliary systems and automatically starts the engine if necessary. In this way, long set-up times are avoided and the vehicle is always ready for operation even in stop mode.

Energy efficiency, cost savings and reliability

The new technology reduces the idle time of a locomotive by an average of 720 hours per year, resulting in fuel savings of up to 11,000 liters. As a result, it is possible to achieve high savings in operating costs. In addition, the number of refueling stops as well as emissions are significantly reduced. Besides these advantages, the reduction in engine operating hours offers the possibility of extending the maintenance intervals depending on the operating hours, thus saving maintenance costs. By installing the OnEfficiency.StopStart system, locomotives can contribute to future-oriented and environmentally friendly rail transport.

The new stop-start technology from Voith is approved by the German Federal Railway Authority (EBA).

For more information about the technology please visit:

www.voith.com/oess

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, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, the company today has more than 19,000 employees, sales of € 4.3 billion and locations in over 60 countries worldwide and is thus 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.



The new automatic stop-start system for locomotives enables more efficient rail freight transport.

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