

Press Release

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More Efficiency in Urban Traffic: Voith DIWA in BRT Systems

May 2013

"i-move 2.0 - the Business Model for Tomorrow?" - this is the motto of this year's UITP World Congress in Geneva. The discussions will focus on ways to make mobility more efficient and sustainable, especially in major cities. Many of them rely on Bus Rapid Transit (BRT) transport schemes. DIWA automatic transmissions from Voith have proven themselves in these modern systems and operate successfully all over the world.

More than 10,000 DIWA automatic transmissions are already in service in demanding BRT systems. This makes Voith the world's market leader in BRT fleets. Metropolises such as São Paulo, Santiago de Chile, Bogotá, Mexico City, Paris, Cape Town, Jakarta, Hangzhou or Brisbane have been relying for years on Voith as a competent and reliable partner for their BRT lines.

BRT systems distinguish themselves from heavy inner city bus service by fast traffic flow, enabled by dedicated bus lanes. As a result, traffic jams can be avoided and the vehicles can achieve higher average speeds. Passengers benefit from this through significantly shorter travel times.

In heavy-duty BRT systems with high start-stop contents and high passenger numbers the DIWA transmission has proven itself excellently. Combined with the service and consulting program DIWA Excellence it ensures economical and reliable bus services.

With the DIWA automatic transmission plus topography-dependent gear-shifting program SensoTop, fuel consumption can be reduced by up to seven percent. When supplemented by the DIWA SmartNet telemetric system, the condition of the transmission can be permanently monitored. This reduces downtimes and increases availability.

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Voith technology in BRT systems also makes an important contribution to the environment. By the end of 2012, the BRT system TransMilenio in Bogotá had managed to save nearly 3.8 million tons of CO₂ emissions. With a market share of 84 percent in the TransMilenio system, Voith technology is playing a major role in the reduction of vehicle emissions. The release of brake dust in Bogotá has been cut by three million tons per month. The reason for this is the secondary retarder integrated in the DIWA automatic transmission. It brakes the buses totally wear-free. And this pays off - for the operators, the people and the environment.

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DIWA.5 automatic transmission

Voith Turbo, the specialist for hydrodynamic drive, coupling and braking systems for road, rail and industrial applications, as well as for ship propulsion systems, is a Group Division of Voith GmbH.

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Voith sets standards in the markets energy, oil & gas, paper, raw materials and transportation & automotive. Founded in 1867, Voith employs almost 42,000 people, generates €5.7 billion in sales, operates in about 50 countries around the world and is today one of the biggest family-owned companies in Europe.

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