

DIWA digital technology upgrade OnEfficiency.SmartAccelerate



Optimal acceleration leads to operational cost savings

Operational managers seek to reduce operational costs in local public transport and fuel consumption is a major driver of these costs. OnEfficiency.SmartAccelerate is a software configuration for your DIWA transmission that significantly reduces fuel consumption while increasing sustainability.

OnEfficiency.Smart Accelerate dynamically limits the maximum admissible engine torque based on the actual surrounding parameters, therefore eliminating the current configuration that give the driver full control over the maximum power of the bus.

Voith knows the maximum power needed in each drive situation due to domain knowledge in driveline and local public transport operations. This enables fuel and CO₂ savings of 5 % on average.

Key benefits of OnEfficiency.SmartAccelerate

- + 5 % less fuel consumption*
- + 3000 kg less CO₂ emissions*
- + Higher durability of complete powertrain
- + No impact on time schedules
- + No driver training needed
- + Improved passenger comfort

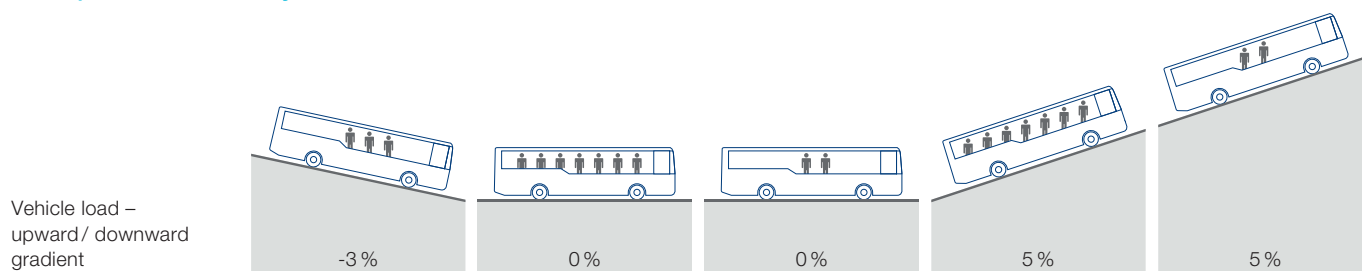
→ 1 200 ltr. is average annual fuel saving per bus*

* is based on 60 000 km/year and average fuel consumption 40 l/100 km

Software upgrade in five simple steps

1. Requirement meeting
2. DIWA ECU file upload to Voith
3. Data analysis by DIWA expert
4. Pilot with customized data set
5. Fleet rollout

Principle of OnEfficiency.SmartAccelerate



Max. admissible engine power **without** OnEfficiency.SmartAccelerate

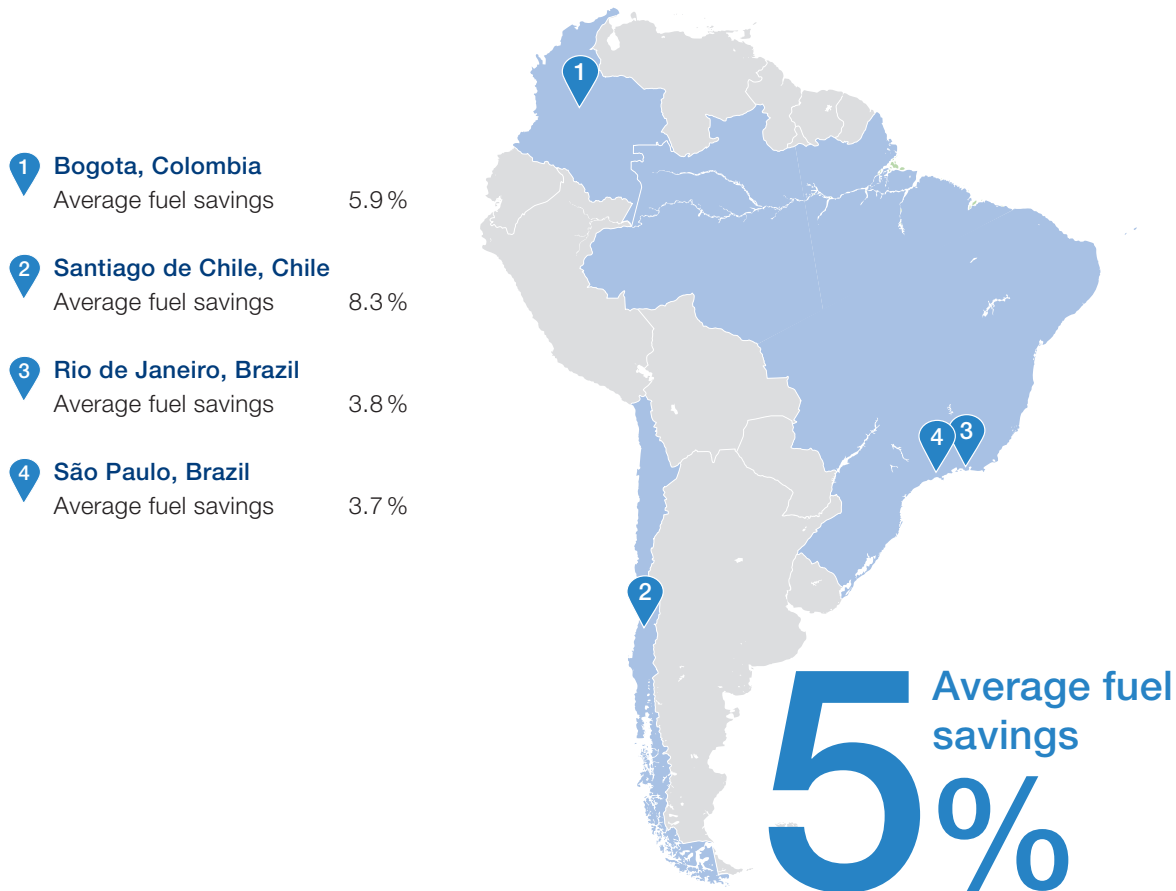


Max. admissible engine power **with** OnEfficiency.SmartAccelerate

Fuel savings potential



Savings results for over 1 200 installations



Success story: Gato Preto – São Paulo, Brazil



“It is the sum of these benefits that led us to test DIWA automatic transmission with OnEfficiency.SmartAccelerate”

Fernando Gatti Moroni de Padua Lima
Director of Viação Gato Preto

... “One of our core competencies is to work on the continuous improvement of our processes to achieve greater fleet efficiency and positive effects, for example on fuel consumption and environment. Our initial experience confirms Voith’s promises.”

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