

Abo quot inverters quot

Original Equipment Manufacturers (OEMs) play a critical role in the development and deployment of advanced traction systems. Leveraging the comprehensive and flexible traction portfolio that ABB Traction offers, OEMs can configure the ideal solutions, irrespective of train type, power range, or geographical location. Our highly integrated systems include traction transformers, converters, motors, alternators, energy storage systems, and other essential components.

The transportation industry is under increasing pressure to meet sustainability goals, reduce operational costs, and improve passenger experiences. One effective way to achieve these objectives without investing in entirely new fleets is through refurbishment and retrofits. ABB offers comprehensive solutions to extend the lifetime of your existing traction systems.

Retrofitting traction systems not only improves reliability, but also addresses obsolescence issues. It enables modernization of fleet functionality to meet today's standards of energy efficiency, system redundancy, maintainability, and passenger comfort and infotainment.

Retrofitting your electric traction system can significantly improve the reliability of your fleet, reducing downtime and associated costs. It also mitigates the risks related to obsolescence, ensuring that your systems remain up-to-date with current technologies.

Upgrading to more efficient traction systems results in energy savings up to 20% on the train level, which in turn reduces operational costs and contributes to operators' sustainability objectives.

In the rapidly evolving landscape of transportation, specialized vehicles, such as locomotives for passenger, freight, and shunting operations, require advanced traction solutions. As a leading supplier in this market, ABB offers a complete portfolio of traction solutions ranging from a few hundred kilowatts to more than 7 megawatts. Providing solutions along the entire traction system chain, we are committed to delivering state-of-the-art solutions optimized for your fleet's overall performance and efficiency.

ABB's comprehensive traction solutions are designed to optimize the performance and efficiency of your specialized vehicles, from passenger and freight locomotives to power heads and distributed propulsion systems.



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Web: <https://sumthingtasty.co.za/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

