

Industrial productivity

As so many of the products and services sold by ABB relate directly to issues of sustainability, it is not possible to provide an exhaustive account of them all. Yet, it is worth highlighting the substantial gains in efficiency and productivity generated over the past year by ABB Ability, our Group's comprehensive digital offering, which consolidates and analyzes data from across the industrial internet and provides customers with automated, data-driven information and insights about processes and machinery to increase the uptime, speed and yield attainable from their assets.

ABB Ability connects one of the world's largest installed bases of industrial devices – more than 70 million of them – to industry-leading digital solutions in sectors as diverse as marine, mining, paper milling, printing and food and beverage processing.

The ABB Ability Smart Sensor, when used to connect low-voltage electric motors to the industrial internet, allows them to be monitored continuously. The installation of these sensors can result in a 10 percent reduction in energy consumption. If all the low-voltage motors around the world were equipped with them, the resulting energy savings would equal the energy output of about 100 large power plants.

Sustainable transport

ABB is a pioneer in the field of e-mobility, having played a key role in the development of electrified railways and urban transit systems. In 2018, ABB initiated a partnership with Formula E, the first fully electric international FIA motorsport class, bringing its name and technology leadership to the racing series, now known as the "ABB FIA Formula E Championship." ABB entered this partnership with Formula E both to promote the rapid adoption of electric vehicles and to emphasize our own role as the world's largest provider of fast-charging equipment for electric cars and buses.

In the fight against climate change, transport technologies present a tremendous opportunity. Fossil-fuel-powered vehicles account for roughly a quarter of the world's energy consumption and greenhouse gas emissions. Switching to cleaner forms of transport will also significantly reduce emissions of carbon monoxide, sulfur dioxide and particulates. Sustainable transport represents a vital aspect of Sustainable Development Goal 9 – building resilient infrastructure – and Sustainable Development Goal 11 – making cities and settlements inclusive, safe and resilient.

Sustainable transportation solutions make up an important part of ABB's extensive portfolio of clean, energy-efficient technologies. We have worked particularly hard in recent years to expand our position as one of the world's leading providers of EV fast-charging stations, with more than 6,000 chargers installed in 57 countries. As just one example, ABB's charging systems are now being deployed in a growing network of stations along Germany's motorways. The company's car chargers can be found in



Case study
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 Warsaw's second metro line**
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