CUSTOMER CASE: BENNESVEDS ÅKERI AB

JLT helps haulage company reduce CO_2 emissions

Haulage companies provide vital services transporting goods from A to B across the world. With increasing focus on the climate, many are looking to cut emissions. One way to maximize reductions is with an in-vehicle computer.

Bennesveds Åkeri AB is a haulage contractor based in the south of Sweden. The company provides lumber haulage services across Sweden to Sveaskog, the country's largest forest owner.

Reducing emissions on the road

Over the past few years Sweden has set ambitious targets to reduce its impact on the environment, including slashing greenhouse gas emissions from transport vehicles by 40% by 2020. With the number of transports increasing and railroad infrastructure almost at capacity, truck transports must be made more energy efficient to achieve this ambition.

Bennesveds Åkeri operates a 74-ton, high capacity transport (HCT). These "super-sized" trucks take larger loads but consume less fuel, so emit less carbon dioxide, helping Sweden achieve its target to reduce emissions by 2020. And because the loads are larger, there are less trucks on the road and congestion is reduced.

Rugged computer enables more efficient transports

HCTs help cut emissions, but you can have an even bigger impact with a computer onboard. Bennesveds Åkeri equipped its HCT cabs with rugged PC's from JLT Mobile

Installed in the HCT cabs, the JLT computers are connected to the data bus system in the truck. This way, the computer continuously monitors conditions related to traction and how the truck is driven.

Computers. Bennesveds couldn't use standard computers as they would be destroyed in a matter of hours due to the demanding conditions the trucks operate in. The chosen computers from JLT withstand arctic cold, desert heat, sand, dust, moisture and heavy vibrations, almost anything you can throw at it.

Installed in the HCT cabs, the JLT computers are connected to the data bus system in the truck. This way, the computer continuously monitors conditions related to traction and how the truck is driven. The driver gets data and warnings about, for example, weights on up to 11-wheel axles and information on reloading when needed. Everything is logged and sent as feedback reports to vehicle developers and truckers. This means truck manufacturers and drivers can continuously improve their impact on the environment.

Devices drivers can rely on

Truckers must have access to their systems at all times, therefore they need to be able to rely on their computer to function without interruption. The vehicle-mounted computers from JLT come in an aluminum case and contain components specifically intended for industrial use, making them fully reliable in any conditions. All connectors and openings are sealed against particles and protected against EMC radiation. As well as being built for purpose, the operating system and vital applications load quickly if a restart is needed.

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CO2 down, earnings up - a win-win outcome

By installing a JLT computer both the environment and Bennesveds Åkeri benefit. Carbon dioxide decreases because the trucks use less gas and the computer helps truckers optimize their driving to reduce axle press and improve braking. While Bennesveds Åkeri found that the larger truck pushed up earnings per driver and vehicle, particularly with longer transports, as well as reducing costs for wear and tear on recurring routes.

Alongside monitoring driving, traction and loading, vehicle-mounted computers have many uses. For example, order management, route planning, map data, safety functions, run time reporting, driver education and to promote environmentally friendly driving. These uses can help companies running trucks increase revenue and decrease operational expenses.

JLT – 25 years of making communications work

Our story starts in 1994. The Internet was new. Industrial computers were basic and 3G was still a dream. Over the following decades, JLT pioneered the rugged computing market. By taking design and quality to new levels, we brought the possibilities of computing to industries where a typical office machine might last just minutes. We think every business should be able to utilize the power of communication technology without restrictions – anytime, anywhere.

Today we are one of the leading companies in the rugged computer market and have shipped over 100,000 units worldwide. Our mission remains the same as ever: we're here to empower customers' business by enabling hassle-free data communication in challenging environments.

Explore our products and services
www.jltmobile.com/products-services/

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