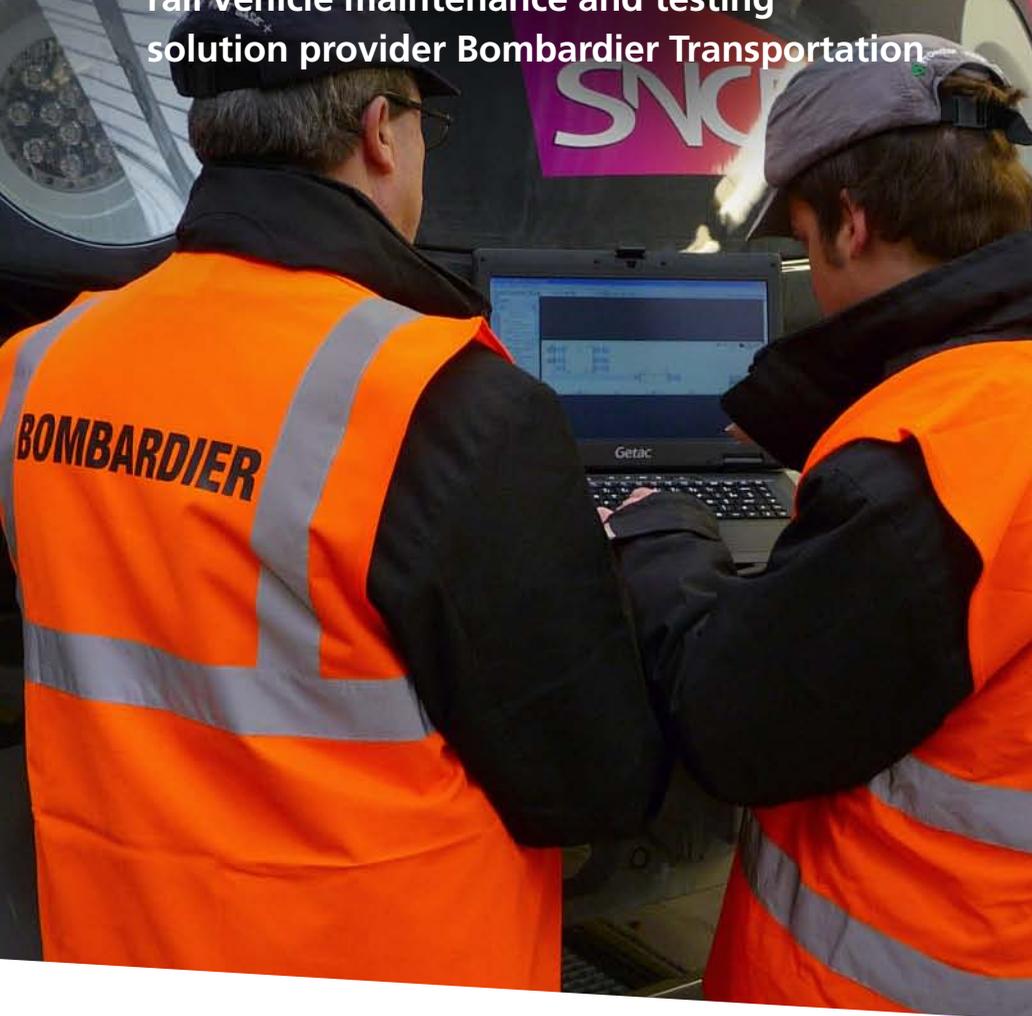


Transportation

/ Case Study /

Getac S400 streamlines world's renowned rail vehicle maintenance and testing solution provider Bombardier Transportation



/ Challenge /

Bombardier Transportation offers one of the most comprehensive rail vehicle portfolios in the world. They normally work under critical environments where unexpected accidents such as drops, dust and water can occur. In order to stay connected a durable notebook with reliable connectivity and performance is essential for the team.

/ Solution /

Getac S400 notebooks have several features that are suitable for the challenging environments Bombardier's technicians encounter every day. It is MIL-STD-810G certified with IP5X rating, protecting it against drop, shocks, dust and water. Getac S400 notebook helps Bombardier technicians do train maintenance, diagnostics and testing so they can ensure every sophisticated and complex rail vehicle is reliable and high quality. Elexo, Bull Group, is proud to advise and supply reliable Getac notebooks to Bombardier.

/ Benefit /

Tailor-made for Bombardier's train diagnostic testing and maintenance, Getac S400 has enabled Bombardier Transportation to improve the train's reliability and sustainability while generating economic benefits such as reducing maintenance time, decreasing costs and increasing efficiency.

/ Bombardier Transportation /

"With easy-to-use design and comprehensive connectivity, Getac 400 is definitely the solution we are looking for. Its' overall quality and performance adequately meets our specific requirements. S400 is the rugged notebook offers the best cost and performance ratio ever."

Tanguy De Lorgeril, Department of special tooling, Bombardier Transportation.



/ Getac S400 /
Semi-Rugged Notebook

/ Challenge /

Bombardier Transportation is the global leader in the rail industry. Over 100,000 Bombardier rail vehicles are in operation globally. Bombardier metro trains are providing reliable passenger service in more than 40 cities worldwide. Therefore, providing outstanding operational efficiency with the highest levels of reliability, availability, maintainability and safety is what Bombardier Transportation insisted on.

In the past, cumbersome paperwork is how they used to do the diagnostic testing and maintenance. The inefficiency of the paper work only slightly improved by migrating to computing technologies because consumer-grade notebooks can't withstand the harsh environments the Bombardier technicians are accustomed to working in. Unexpected drops and knocks frequently occur in their daily jobs which resulted in high replacement maintenance costs.

To complete their mission, Bombardier technicians have to be equipped with reliable mobile communications devices that can deliver instant connectivity, long battery life and extensive I/O ports, yet tough enough to cope with the challenging environments and improve their job efficiency.



/ Solution /

Bombardier technicians use the Getac S400 for daily documentation of service, maintenance and diagnostic testing. After analysis, the engineers will evaluate viable solutions to repair the defects from inside their office, remotely in the field, or on the trains. The 14" sun-light readable screen of the S400 allows the engineers to do troubleshooting while doing vehicle maintenance.

The semi-rugged S400 is designed to survive harsh environmental conditions. It is built with a KryptoShell™ chassis for comprehensive protection. This KryptoShell™ body

allows the S400 to exceed MIL-STD-810G temperature, shock, and vibration specifications including 26 drops from 3 feet.



Bombardier technicians appreciate its quick keys feature that allows switching between programs or operation modes with one press of the button. The backlit keyboard with adjustable backlight provides improved visibility in low light, and the ergonomically designed full-sized keyboard allows efficient data input, resulting in enhanced work efficiency for Bombardier technicians.

The S400 have multiple easy-to-access protected connections and ports to connect the peripherals that Bombardier require. It has three USB 3.0 ports, a eSATA/USB 2.0 combo port, an Ethernet port, and a VGA port among others. The RS232 serial port allows the technicians to load and retrieve additional information on the ground.

The S400 provides advanced protection against harmful dust ingress (IP5X) and is one of the most rugged semi-rugged laptops ever made. Its ruggedness and performance enables the team to complete their job more efficiently.



/ Benefit /

"With easy-to-use design and comprehensive connectivity, Getac S400 is definitely the solution we are looking for. Its' overall quality and performance adequately meets our specific requirements. S400 is the rugged

notebook offers the best cost and performance ratio ever." said Tanguy De Lorgueil, Department of special tooling, Bombardier Transportation.

The solution has enable Bombardier transportation to boost productivity, reduce overhead costs and improve the speed and quality of service.



BOMBARDIER

/ Bombardier Transportation /



As the world's only manufacturer of planes and trains, Bombardier has built an extensive and diverse portfolio of winning mobility solutions including 64 production and engineering sites as well as 19 service centres in 27 countries, with over 100,000 vehicles in operation. Bombardier Transportation is a global leader in rail technology offers the broadest portfolio in the rail industry and delivers innovative products and services that set new standards in sustainable mobility. Bombardier's site in Crespin is the largest industrial rail site in France, employing more than 2,000 employees, including 500 engineers and technicians. The site houses Bombardier's Centres of Excellence for bogies and onboard electronics as well as a certified testing laboratory.