

Case Study

Systems integrator relies on nVent-Advantech global alliance robust solutions to meet Chinese railway monitoring system needs.



CONNECT AND PROTECT

Location: China



REQUIREMENT

To improve predictive maintenance, train safety and monitoring accuracy, a railway company in China planned to install train-mounted pantograph monitoring systems. The company needed a modular solution to accommodate large-scale data collection and high-speed computing in very limited installation space.



SOLUTION

The systems integrator took advantage of the global alliance between nVent and Advantech. The final solution comprised of Advantech 3U CompactPCI processor and I/O cards in an nVent SCHROFF 3U chassis. The solution fits a standard 19-inch rackmount enclosure that effectively dissipates heat, while providing outstanding RFI shielding and protection from high shock and vibration for on-board applications.



RESULTS

Successfully developed and implemented in many cities in southern China, the train-mounted pantograph monitoring system has become a standard solution for providing predictive maintenance, stable power supply and driving safety on trains.



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