Intelligent solutions for the rail industry
Quester Tangent is a leading North American supplier of train electronics and software solutions for the rail transit industry. We offer modular and tailored products to rail vehicle manufacturers and transit authorities that enable the efficient movement of people and goods.

For the past 20 years, Quester Tangent has provided the passenger rail and locomotive industries with innovative on-board and wayside electronics and software solutions. Each product we design, manufacture and support helps our customers increase operational efficiency, improve fleet availability, optimize on-time performance, and enhance passenger safety and comfort.

Quester Tangent is a trusted partner of the world’s major train manufacturers and transit authorities. We have successfully delivered a broad spectrum of projects on time and on budget in North America, Korea, China, and Malaysia.

We are dedicated to building strong relationships with our customers. We develop solutions for the growing business needs of rail transit authorities and rolling stock manufacturers that effectively address four key areas:

- **Reliability**: Industrially hardened, robust electronics ideal for harsh operating environments and compliant with stringent rail industry requirements.
- **Adaptability**: Comprehensive, flexible solutions that integrate and communicate with other subsystems.
- **Responsiveness**: Real-time information provided in formats relevant to operations and maintenance personnel to enhance decision-making capabilities.
- **Efficiency**: Instant access to pertinent data to determine fleet status and operational readiness, using on-train displays and web-based applications.

Your partner for operational efficiency
Quester Tangent is an expert at solving business problems. Today, our products are known for their superior reliability that draws on our service-proven designs and new technology integration.

Our on-board and wayside turnkey solutions integrate in-depth engineering expertise, manufacturing capacity and revenue service track record, all with a commitment to deliver projects on time and on budget.

To address our customers’ distinctive requirements for both new and modernization projects, we provide TrainWise, flexible on-board train and locomotive electronics, FleetWise, innovative wayside software and TestWise, comprehensive test equipment products.

**Flexible, modular and scalable solutions for the rail industry**

TrainWise

A comprehensive suite of on-board train electronics that enables efficient revenue service operations and maintenance management. TrainWise provides a fully-integrated suite of monitoring, diagnostic and control products, event recorders, on-board trainline and wireless network communications, passenger information systems, and CCTV products.

FleetWise

Wayside software that provides superior fleet performance by collecting, storing and analyzing fleet operational and maintenance data. FleetWise offers real-time fleet readiness information, enhanced software management, proactive maintenance, and in-depth diagnostic tools.

TestWise

Electronic test equipment and training aids that facilitate rapid troubleshooting during on-train or shop maintenance. TestWise products provide the detailed level of information required by maintenance staff to keep trains running.
Decide
Make better decisions and minimize your downtime using fully-integrated solutions: TrainWise, FleetWise and TestWise.

Measure
Monitor and measure your analog and digital signals on board your trains using TrainWise I/O modules and logic controller units.

Collect
Centralize management of your on-board data using TrainWise monitoring, diagnostic and control systems.

Inform
Update operators and maintainers on the status and fault conditions of your trains using TrainWise touchscreen displays.

Communicate
Link your fleet to the wayside using secure TrainWise wireless data links.

Track
Monitor the location, activity and status of all your trains using FleetWise wayside monitoring systems.

Analyze
Access real-time and historic data from your entire fleet using FleetWise to find faults faster and prevent problems before they happen.

Report
Create concise reports of your train status using TrainWise and FleetWise web-based visualization tools.

Decide
Make better decisions and minimize your downtime using fully-integrated solutions: TrainWise, FleetWise and TestWise.

We enable smart decisions
Learn how our fully-integrated rail transit offerings are specifically designed to provide you with the right data to make quick and insightful decisions during your day-to-day operations.
A wealth of experience at your service

Quester Tangent has more than 20 years of successful experience in delivering modular engineered solutions, building flexible products, creating detailed project documentation, and managing a broad spectrum of projects.

We stand behind our products

Our 2/20/40 life cycle support program maximizes the useful life of our products, reduces the total cost of ownership for our customers, and meets rail industry needs.

Active warranty: 2+ years support for product delivered with a new contract.
Extended support: 20+ years support past the active warranty.
We continually monitor end-of-life status of our installed products to support your vehicles into mid-life.
Modernization support: 40+ years support to maintain, upgrade or renew functionality of our product offerings.

We are only satisfied when you are

As your one-stop shop for train electronics, we excel at meeting our contract requirements on time and on budget. Our state-of-the-art facilities and coordinated processes allow our engineering, manufacturing and project management team to deliver efficiently while adhering to the highest standards.

We facilitate collaboration

We work closely with our customers and suppliers in the design and development of our products. This enables tailored development stages and manufacturing activities, making us incredibly adaptive, responsive, and innovative.

Your full-service supplier

We offer a complete portfolio of capabilities and services:

» System integration
» Project management
» Custom engineering
» Manufacturing
» Maintenance and warranty support
» Customer service
» Training

Why work with Quester Tangent?

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New Jersey Transit (NJT)
New Jersey, USA
TrainWise: Vehicle system monitoring, control and diagnostics for train management. TCN-WTB train network and LonWorks vehicle network communications and data acquisition. Operator and maintenance displays, ground fault detection, wireless wayside communications, maintenance information processing, logging, and fault control. TestWise: Bench test equipment.

New York City Transit Authority (NYCT)
New York, USA
TrainWise: Monitoring and diagnostic functionality. Circuit breaker monitoring, information transfer to monitoring and diagnostic system, control of subsystems such as windshield wipers, headlight and tail light controllers. TestWise: Bench and portable test equipment.

Washington Metropolitan Area Transit Authority (WMATA)
Washington, D.C., USA
TrainWise: Train-to-wayside data transfer system consisting of a train radio unit and antennae. FleetWise: Wayside software for fleet and train data management, real-time system status, maintenance information, stored and live video viewing, and data processing. TestWise: Portable test equipment.

Metropolitan Atlanta Rapid Transit Authority (MARTA)
Atlanta, USA

South East Pennsylvania Transit Authority (SEPTA)
Philadelphia, USA
TrainWise: Network and trainline monitoring and diagnostics, touchscreen display for maintenance, vehicle network management, operator fault display, fault data logging, headlight and auxiliary light controllers, door controller power supply, and variable speed power supply. TestWise: Bench and portable test equipment.

Massachusetts Bay Transportation Authority (MBTA)
Boston, USA