

SIEMENS



RailCom Manager

Rail communications, control and asset management

www.siemens.co.uk/mobility



“A reliable communications network, linked with effective information management, control and asset management systems”

RailCom Manager

Rail operators today face a difficult challenge: to provide rapid, safe and punctual transport for growing numbers of passengers, while often dealing with ageing infrastructure and tightly controlled budgets.

Siemens has responded to these challenges with RailCom Manager, an integrated suite of modules that enables operators to increase efficiency, control costs and improve passengers’ rail travel experience.

RailCom Manager is a modular, scalable solution which allows operators the flexibility to expand the system functionality in service to meet new requirements. Siemens blends advanced technology, project management and process improvement to reduce project implementation time, enabling upgrades to take place without disrupting rail traffic, and therefore reducing safety risks.

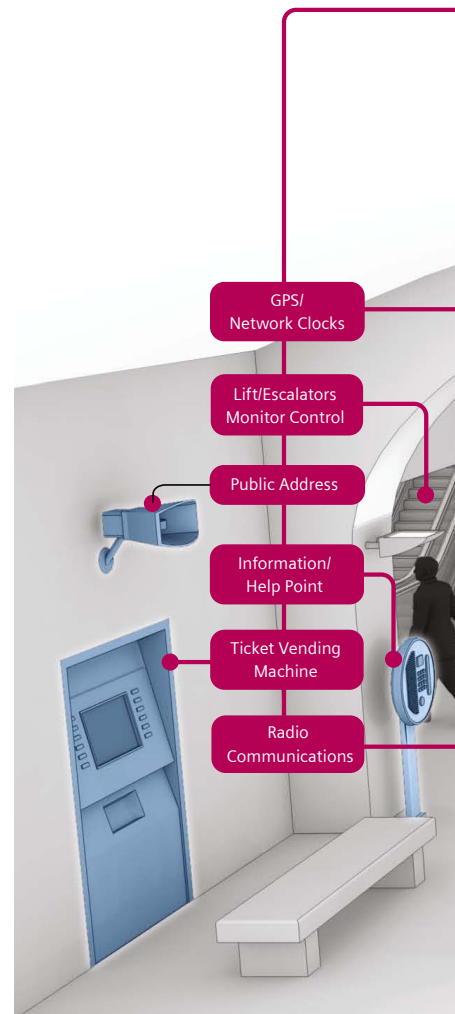


RailSecurity Manager

The answer to maintaining safety and security is to provide numerous, highly visible surveillance cameras, help points and information terminals. This allows station operators to respond rapidly to any problem or offensive behaviour, and to ensure incidents do not disrupt operations or compromise passenger safety.

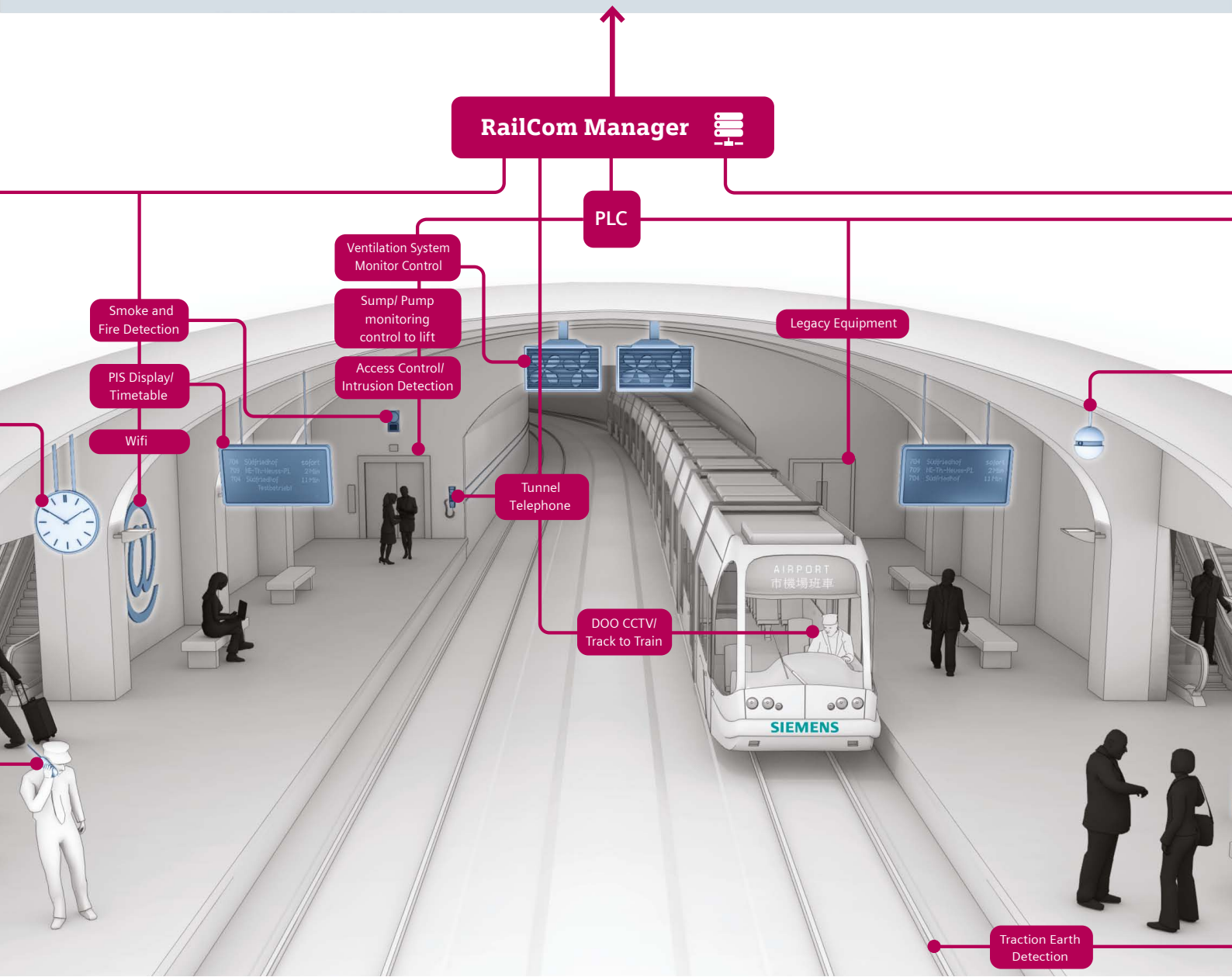
RailSecurity Manager allows operational staff to have integrated control of all safety and control systems including direct control of CCTV, public address, passenger help points, real-time passenger information system and station telephones. The system also provides extensive monitoring of the essential status of station equipment, such as fire systems, ticket machines, lifts and escalators, as well as track equipment. This allows the real-time monitoring of assets such as signalling, telecommunication and tunnel ventilation.

For multi-modal transport systems, RailSecurity Manager also provides a single point of control for a modern transport interchange, for example combining rail, bus and air terminals. By integrating these systems into a single architecture, customer information relating to each environment can be presented in each of the other areas.





RailCom Control Room





RailControl Manager

RailControl Manager enables operators to manage their electrical traction power networks, with advanced tools to analyse, plan, test and monitor their installations. Facilities provided include the scheduling and organisation of maintenance works, electrical isolations and alternative feeding arrangements.

RailControl Manager provides all the necessary facilities for the secure control and monitoring of traction power networks. The system provides a live connectivity model in which all of the switches, circuit breakers, rectifiers and other power components are represented. This model can be used to validate proposed switching sequences and configurations for both planning and isolations purposes.

Using detailed data from power networks, RailControl Manager has a full analysis and reporting capability. Events and measurements are retained in the system archive and can be analysed to escape long-term conditions in the network that might otherwise pass unnoticed.

RailAsset Manager

RailAsset Manager enables operators to respond to actual or predicted failures in railway infrastructure which can be the cause of service delays, including power supplies, points, signalling, level crossings and track circuits.

By monitoring the condition of assets, operators can receive early warning of potential faults, meaning that preventative maintenance or re-commissioning can be planned in advance. Integration to intelligent third-party systems allows access to additional detailed plant information, improving RailAsset Manager's ability to monitor and manage network assets.

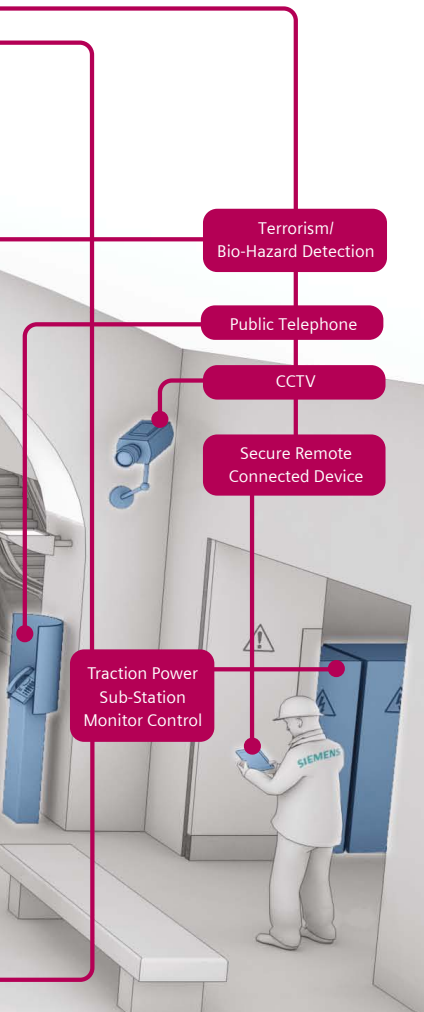
Reports are generated automatically, and can be delivered to engineers via their preferred medium: email, desktop, mobile or fax. This flexibility allows reports to be distributed to any location without the need for specialist equipment or software.

RailInfo Manager

RailInfo Manager is a flexible, open system that makes real-time information continuously available to passengers, enabling them to plan their journeys more accurately and efficiently. Based on open protocols, it allows data from multiple sources to be combined and disseminated effectively and for customer information screens, public address and clock systems to be integrated.

Increasing passenger volumes and pressure on operators to reduce train delays, have placed greater importance on realistic train timetables. RailInfo Manager allows operators to respond rapidly and advise passengers promptly in the event of disruptions. By combining actual train movement data with timetables, it provides accurate, real-time arrival and departure information, even in areas of poor train movement reporting.

Cost of ownership is kept low, including the use of low cost, non track-invasive equipment. The system is easy to repair and re-commission, virtually independently of other aspects of station operations. Site attendance requirements are minimised by secure remote access for system upgrades and diagnostics.



The Siemens Difference

The global scale of Siemens and its diverse portfolio means that it has the capabilities to deliver complete rail infrastructure solutions, right up to the largest projects. The approach is the same whether a full turnkey project is required, or simply a technology component to fit into a bigger system.

Siemens provides an effective combination of engineering skill and project management experience. This ensures that solutions are delivered on time, on budget and fit for purpose.

People and Teamwork

Siemens knows that long term success is dependent on attracting and retaining the most talented people and helping them realise their full potential. Siemens sees effective talent management as a business priority and considers improved diversity across the workforce as a key driver in ongoing competitiveness.

Siemens believes in achieving the highest performance with the highest ethical conduct, and therefore its three key values are:

Responsible: committed to ethical and responsible actions.

Excellent: achieving high performance and excellent results.

Innovative: being innovative to create sustainable value.

Teams have the experience and professionalism to deliver the highest standards of project management. They achieve successful results by striking the right balance between time, cost and quality.

Standardised procedures and thorough documentation ensure that potential savings and opportunities are identified. The Siemens culture is quality-orientated and professional, with a focus on developing and respecting people.

Quality

For Siemens, excellence and quality are not just theories – they relate to everything the company does, and how it does it.

The European Foundation for Quality Management (EFQM) assessment model and ISO 9001 accreditation provide Siemens customers with confidence that its products and services are of the highest class. Siemens uses a quality management system which is focused on excellence through continual improvement

The EFQM model is adopted throughout the Siemens rail business and its many support functions. This means that Siemens customers receive quality products and services every time they do business with the company.



“For Siemens, excellence and quality are not just theories

- it relates to everything we do.”

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