

MTCS - Mass Transit Control Center System

Scalable Software Solutions for Public Transport



Operations Control System

Customer service excellence and efficient operations of a transportation business depend on the quality, availability and usability of information communicated to and from central control centers. DXC Technology's Mass Transit Control Center System (MTCS) is an application that enables a holistic and transparent view of operational data for all in-service vehicles. This scalable application, built on VDV and EDI standards, manages information from multiple systems, providing the critical information and support for planners, dispatchers and service personnel of transportation operators and transit authorities. The consolidation of accurate and relevant connection and passenger information from individual operators to a single platform enables improved efficiencies and quality of service for operators and passengers.

Mass Transit Control Center System (MTCS)

Control Centers of transportation operators play a central role in supervising and dispatching, in reaction to deviations from the regular scheduled operations, as well as in providing information to passengers. MTCS is specific to the mass transit industry, utilizing a standardized interface and central database repository which can be applied to a wide spectrum of systems and business needs, offering flexibility, ease of integration and scalability for:

- City traffic with trams and buses
- Regional traffic with buses and passenger train operations
- Other passenger train operations

Functionality and Characteristics

Functionality

Supporting the monitoring, dispatching and incident management in control centers of transportation operators and transit authorities, MTCS is modularly constructed to provide the utmost flexibility. This modular construction allows for the configuration of specific needs of a customer while leveraging the preconfigured modules for standard operations. The single modules are coupled together to provide seamless, end-to-end process support.

The business data available in MTCS enables management of the actual business flow by providing the basis for comparing actual and planned operations so that quality and conformance to service level agreements with individual service providers can be determined.

Guarantee of connections at intermodal connection points in a network is provided by the connection management module, available as a component of MTCS, increasing quality of service.

Characteristics

A comprehensive interfacing capability has been successfully employed by customers to facilitate data exchange with IT systems of a variety of manufacturers. Examples of existing interfaces include:

- Onboard computers in the vehicles
- Radio systems
- Timetable planning systems
- Onboard passenger information systems
- Public information systems

MTCS - Mass Transit Control Center System

About DXC Technology

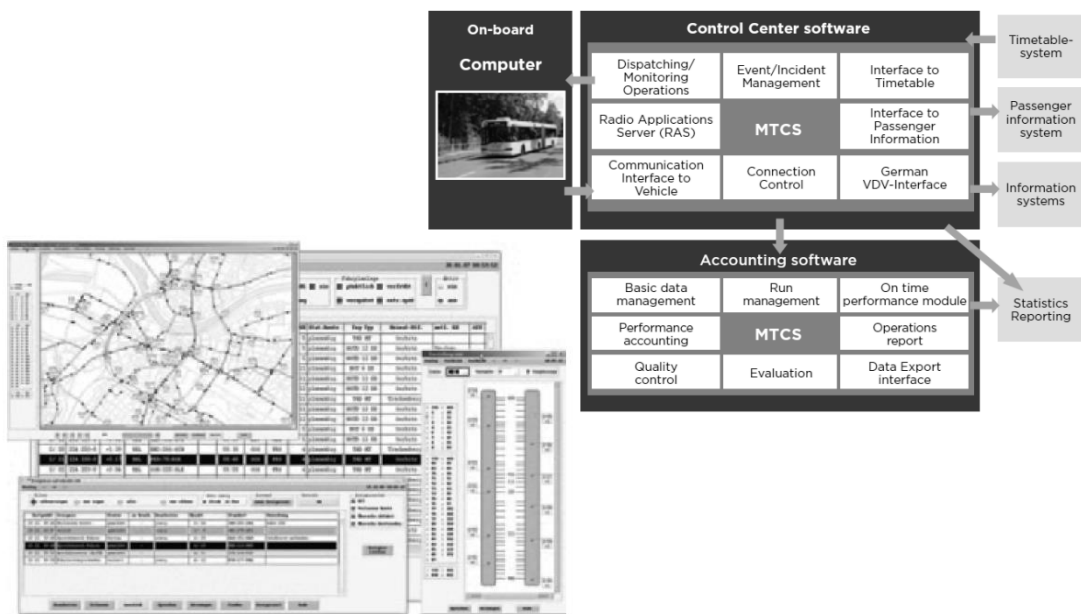
DXC Technology helps clients harness the power of innovation to thrive on change. For more than 60 years, we have successfully guided the world's largest enterprises and government agencies through successful change cycles.

We take pride in our technology independence and our role as a trusted advisor. Our deep experience gives us a clear and confident vision to help clients navigate the future.

As the world's leading independent, end-to-end IT services company, we are uniquely positioned to lead digital transformations – creating greater value for clients, partners and shareholders, and presenting growth opportunities for our people. We are among the world's best corporate citizens.

We have 170,000 employees in more than 70 countries, serving some 6,000 clients. We tap into global talent, powerful next-generation IT solutions and extensive partner relationships to help clients transform digitally and seize opportunities.

Our extensive partner network helps us drive collaboration and leverage technology independence. We have established more than 250 industry-leading global Partner Network relationships, including 14 strategic partners: Amazon Web Services, AT&T, Dell/EMC, HCL, HPE, HP, IBM, Lenovo, Micro Focus, Microsoft, Oracle, PwC, SAP and ServiceNow.



Interface standards VDV 452, 453 and 454 have been implemented in MTCS to provide seamless collaboration between systems. Independence from proprietary operating and database systems improves compatibility with, and integration into different IT system environments of customers.

Our solution provides multilingual functionality along with the ability to handle multiple mandates, MTCS is suitable for customers with multiple operational locations, logistics groups, and individual customers.

DXC Technology Experience

Our proven success in transforming mass transit operations is based on solid experience and solutions expertise.

Addressing the growing importance of public transportation worldwide, we develop industry specific solutions for mass transit and provide consulting, systems integration, and IT-enabled business solutions tailored to the unique needs of our many customers.

We serve our Transportation customers with specific IT solutions and services such as:

- Scheduling and information systems for the rail freight traffic
- Operations Control Systems for regional passenger train and mass transit operators
- Accounting Systems
- Information and Communications Platforms
- Simulation
- Introduction and integration of IT standard software
- Project Management
- Consulting Services
- IT Operations
- Managed Hosting
- Outsourcing

DXC Technology

Nicki Skujat
Bergstraße 2
01069 Dresden
T +49.351.47771.21
M deutschland@dxc.com
www.dxc.technology/de