Toshiba has been trusted as a worldwide leader of transportation information technology through its innovative systems and solutions. This time, Toshiba introduces an entirely new way of doing transit scheduling through our Cloud-based Transit Scheduling Software, an alternative to traditional scheduling software at a competitive cost.

Together with our innovative Railway MMIS (Maintenance Management Information Systems) and Facility SCADA (Supervisory Control and Data Acquisition) Systems, Toshiba provides cost-effective total solutions to all the railway operations and maintenance management needs of our customers.

Cloud-based Transit Scheduling Software

Railway Facility SCADA Systems
(Supervisory Control and Data Acquisition Systems)

MMIS for Railways
(Maintenance Management Information Systems)
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Find out more on  http://toshiba-railway.com
1. Introduction

Safe and stable railway operations are achieved through the proper maintenance of equipment and railway subsystems. The MMIS for Railways supports this by integrating railway maintenance work planning, work order generation, work maintenance support, stock and inventory management, and operations budget control into a single system. This promotes efficient and organized work flows for all preventive and corrective railway maintenance works.

Together with our Transportation Planning, Railway Facility SCADA and other systems, Toshiba proposes cost-effective total solutions to all railway operations and maintenance management needs of our customers.

2. Functions

1) Maintenance Planning
   - Plan maintenance work schedules and generate instructions for planned and unplanned works
2) Maintenance Work Support
   - Provides information related to the on-going maintenance work
3) Materials Management
   - Enables inventory control and stock purchase and record management
4) Budget Management
   - Supports the planning, management, and optimization of the maintenance budget and life cycle cost

3. Features

1) Economical
   - Performs wise budget decisions based on the life cycle costs and analyses
2) Smart
   - Calculates efficient schedules based on the available resources
3) Easy analyses
   - Device errors and failures are stored for analysis and future reference
4) Effective
   - Easy management of an enormous amount of data by bulk administration
5) Integrated
   - Efficient management by working with other systems such as the SCADA

![MMIS for Railways](image)
1. Introduction

Toshiba, with its solid track record of developing software that supports transit scheduling systems, now paves an innovative way of doing transit scheduling by offering it as a SaaS (Software as a Service).

By outsourcing to the cloud, the SaaS Transit Scheduling Software reduces the burden of capital and hardware/software maintenance costs through platform independence. Automatic updates continually improve the user experience, and multilayer security and automatic backups protect data even during device failures. Moreover, its intuitive user interface, integrated standard functions, and common database support more efficient work flows to maintenance schedules.

2. Service Plans

1) Package deal: Avail of all the functions in a single package.
2) Customized: Avail only of the functions that you need.

4. Other benefits

- Security: Multi-layer protection through IPS*, FW* and virus check
- Privacy: Separation of user accounts and data access rights
- Disaster recovery: Periodic data backup protects your data
- Unlimited: Fully resort to previous work status for stress-free scheduling
- Synergistic: Promotes simultaneous collaborative scheduling with other different users
- Multilingual: Supports 31 languages for international customers

3. System Requirements

- Platform: Any OS with Java of at least version7.0 installed
- Web browser: Mozilla Firefox or Google Chrome
- Internet connection: Recommended speed of 10 Mbps

3. Features

1) Robust: Redundant system configuration for high availability
2) Cost-effective: Standardized equipment with long term support cuts initial and maintenance costs
3) Scalable: Adaptable to changes in the railway system
4) User-friendly: Uncluttered and easy-to-understand interface
5) Error-preventive: Easy management of user access rights, reducing misoperations
6) Energy-efficient: Utilities expensive energy reformation for energy efficient control

4. Maintenance Management Information Systems

Safe and stable railway operations are achieved through the proper maintenance of equipment and railway subsystems. Together with our Transportation Planning, Railway Facility SCADA and other systems, Toshiba proposes efficient work flows for all preventive and corrective railway maintenance works.

Supports the planning, management, and optimization of the maintenance budget and life cycle costs. This promotes support, stock and inventory management, and operations budget control in a single system. The MMIS for Railways supports this by integrating railway maintenance work planning, work order generation, work maintenance planning and instruction generation for planned and unplanned works.