

C-18	Keywords	Y4	system or software	Z4	electricity	S7	traffic system
						E29	electrical machinery

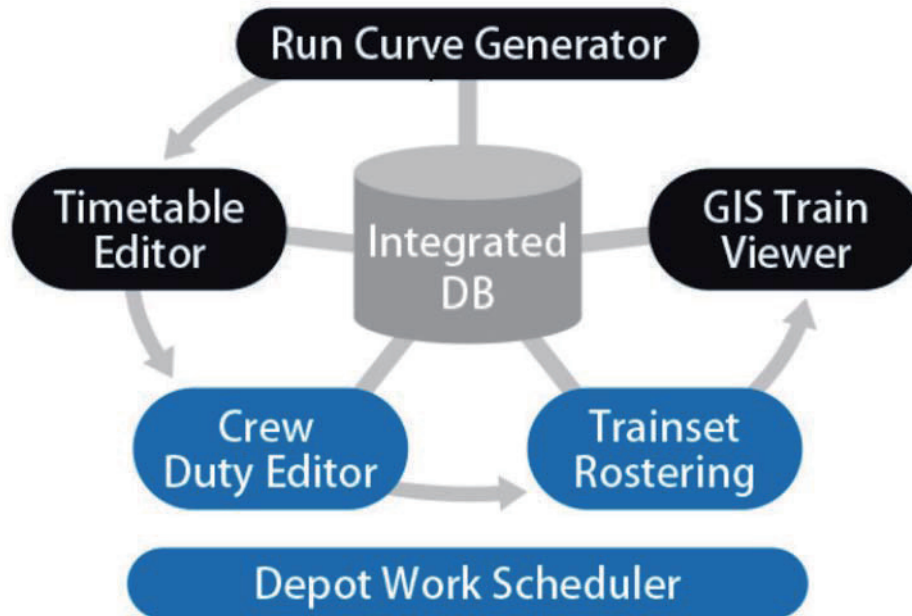
Cloud-based Transit Scheduling System TrueLine™

Features

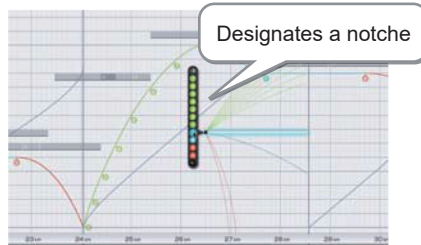
A cloud service that can be provided reasonably for more efficient transit scheduling (TrueLine™). It is practical because you can investigate lower energy operations with concrete values.

Basic Concept or Summary

TrueLine™ is a cloud service that can be provided reasonably for more efficient transit scheduling of railway, shipping, new transit systems, and bus companies around the world. Data that is separated into different departments or operations is centralized, to achieve seamless collaboration between operations. Plus, this is a global system that supports 31 languages, with a user experience design of transit scheduling techniques. It supports excellent quality transit scheduling review work with high usability and spot-on service.



- ◆ Evaluates energy consumed by simulating a train run
TrueLine™ can calculate the accompaniment information including the energy consumption and make a driving curve. The examination of plural plans is possible at the point of view of the energy consumed.
 - An acceleration notch and a brake are set manually, and energy consumption by an operation is indicated.
 - Evaluate using energies consumed through each operation for comparison.
 - Simulates the energy consumed by the machine parts change when I changed a motor and brakes to use.



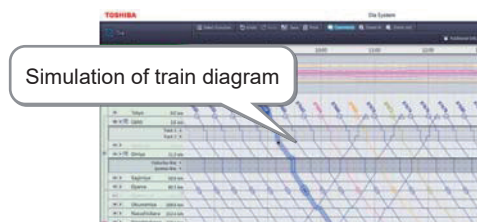
Screen to create operation curves

- ◆ Lower energy operating methods can be consider by statistical analyzing of the energy information from trains
The relationships between actual operation and energy consumed derives by statistically process various IoT data obtained from trains.
 - Find the lowest energy operation targets using operating hours between stations and actual results of energies consumed.
 - Statistically process operation features by train operator detects weak points in operation.



Screen to analyze train data

- ◆ The result that simulated energy from all plans of trains applies to train diagram
Features obtained from simulation results of the operation curve and actual IoT data can be applied to train diagrams.
 - Predict amount of energy of the all plans of trains and the energy every transformer substation.
 - The change of the timetable can consider the leveling of the energy consumption.



Screen to create train diagrams

Installation in Practice or Schedule

Domestic Solution has already been delivered to railway companies and others

Overseas Available in 31 languages

Contact: Toshiba Infrastructure Systems & Solutions Corporation

URL: <http://www.toshiba.co.jp/sis/railwaysystem/en/products/information/transportation/trueline/index.htm>