

TIC for Traffic Plans and Simulation

Create, simulate, and compare traffic plans; operate with live and historic data.

Improved planning and operation

TIC provides the opportunity to create and operate a consistent set of traffic plans on a single software platform.

TIC can be used off-line with historic data to create, simulate, and compare pre-defined plans.

TIC can also be used on-line with live, forecasted, and historic data to monitor situations and recommend plans.

Results can be viewed in a list, chart, or map.



Easier traffic planning

TIC can be used to create, simulate, and compare traffic plans manually created by traffic engineers.

TIC can simulate traffic plans against historical data such as traffic flows, and can then be used to compare results of different plans.

Traffic plans can be analyzed and the best plans can then be stored on TIC ready to be used.

Smoother traffic operation

Once a situation is identified, TIC can evaluate plans within minutes and recommend the best plans based on standard or custom rules.

TIC can also be used to automatically create and recommend plans when an unexpected situation occurs, such as during live emergencies.

As conditions change, TIC quickly updates and re-evaluates situations and plans.

Rich criteria set

TIC can use many different types of data to fulfill a rich set of planning criteria, such as:

- Road network conditions and sensors.
- Traffic patterns, traffic flows, and work zones.
- Weather and social events.
- CO₂, NO_x, and particle emissions.
- and more ...

The TIC algorithm is a macroscopic traffic model.

Automated workflows

TIC can step through pre-defined action plans, either by operator approval or automatically, such as re-routing traffic in response to an accident.

Actions can include:

- Set message signs (DMS, VMS).
- Warnings over RDC-TMC, radio, and TV.
- Request police and tow trucks.
- and more ...



Live, forecasted, and historical data

TIC can process with live, forecasted, and historical data. For example, TIC can collect and use historical OD matrix data from files.

TIC can collect live and forecasted traffic flows created from other data sources (see "TIC Traffic Flows and Prediction" leaflet).

More information

TIC is used to process data in over 100 projects operating worldwide. A brochure is available describing the wider capabilities of TIC and more leaflets for various uses. See www.gewi.com.