Your Personal Mobility Modeling Lab.
Aimsun Next simulates future traffic patterns by accurately representing individual needs and available transportation options.

Analyzing actual and potential interactions of people, places, and modes of transport in a digital laboratory, planners can research, analyze, and objectively justify investments in infrastructure and operations with minimal risk, time, and effort.
Aimsun Next integrates microscopic, mesoscopic and macroscopic modeling within a single software application. The Advanced edition offers static and dynamic traffic assignment and simultaneous microscopic/mesoscopic simulation, blending superior computational efficiency with precise representation of traffic dynamics.

Taking fusion to an unprecedented level, the new Aimsun Next Expert edition includes all this plus travel demand modeling, giving you complete control over a traffic modeling project, of any size, from beginning to end, using a single software package.

Consolidate your traffic modeling in one multi-purpose, multi-layer simulation suite and see the benefits:

- Choose the right tool for the right project rather than creating projects to fit the tools
- Build extensible models on a larger and larger scale
- Eliminate tedious and error-prone manual interfacing between different macroscopic, mesoscopic and microscopic software packages
- Reduce software costs and expertise turnover

The Ultimate All-in-one.
Multithreaded software architecture means that even on a laptop our microsimulator can run a model of the entire city of Singapore two to three times faster than real time. Our static assignment runs on multiple threads and our mesoscopic simulator can model dynamic aspects of very large networks and is being used to successfully build and calibrate some of the world’s largest dynamic models in Montreal, Melbourne, Toronto and New York City.

High speed simulation frees you up to:

- Simulate larger areas without leaving out problem zones
- Test a greater number of scenarios in the time available allowing for broader analysis for a variety of traffic conditions
- Deal with time-critical situations

Dynamic Traffic Assignment.

Aimsun Next enables dynamic traffic assignment (DTA) based on user equilibrium and/or stochastic route choice. DTA can be combined with either mesoscopic or microscopic simulation. This framework gives you the unrivalled flexibility of modeling steady-state behavior as well as reactions to non-recurring scenarios. The result is the most realistic representation possible of driver behavior.
Editions.

Select the Aimsun Next edition that matches your modeling needs:

Professional
Three flavors of single-level modeling: Professional for Microscopic Simulation, Professional for Mesoscopic Simulation and Professional for Travel Demand Modeling. Enjoy access to the full Aimsun Next platform with no network size limitations in whichever flavor best fits your requirements.

Advanced
Microscopic, mesoscopic and hybrid simulator coupled with the richest traffic assignment toolkit on the market for super-sized applications of any kind.

Expert
Add travel demand modeling to all the benefits included in the Advanced edition: now you can use a single software package for an entire transportation modeling project of any scale, from entering raw geographical and socio-economic data all the way through to micro-simulation and anything in between.

Visit our website for a complete list of features available with each edition.

Interoperable
Aimsun Next fits right in with your existing software and can exchange data with the most popular CAD, GIS, traffic modeling, signal optimization and adaptive control software tools.

Multithreaded
For unbeatable speed, completely redefining what you can include in a dynamic model, from a major city to a complex highway network.

Multiplatform
Mac OS X
Linux
Ubuntu
Windows

Unrestricted
For handling very large models that can be expanded with no network size limitations.

User Friendly
Aimsun Next’s user interface is intuitive, mouse-oriented and easy to use right from the start.

Customizable & Extensible
Make Aimsun Next your own using familiar industry standards such as Python and C++.
Move Brilliantly.

Barcelona • London • New York City
Paris • Singapore • Sydney

Aimsun has offices and official distributors providing software and services around the world.
info@aimsun.com  www.aimsun.com