



SYNCHRO STUDIO™

» A robust, user-friendly traffic signal timing application that empowers traffic engineers and transportation planners to design, model, optimize, simulate and animate signalized intersections, unsignalized intersections and roundabouts.

CUBIC™

SYNCHRO STUDIO PROVIDES PREMIER APPLICATIONS FOR TRAFFIC ANALYSIS, OPTIMIZATION AND SIMULATION.

The package combines the modeling capabilities of Synchro signal timing and analysis software and the micro-simulation and animation capabilities of our SimTraffic software, our three-dimensional visualization tool, creating the ultimate toolkit for any traffic engineer.

WHY DO TRAFFIC AGENCIES, PLANNERS, AND CONSULTANTS USE SYNCHRO STUDIO?

- » Our software has been field-tested with proven results approaching 30 years.
- » With Synchro, engineers can analyze traffic operations in days versus weeks.
- » Synchro implements the Percentile Delay and Intersection Capacity Utilization (ICU) Method to give a precise overall picture of intersection performance.
- » Our software supports Highway Capacity Manual (HCM) 6th Edition, 2010 and 2000 best practice methodology for signalized intersections, unsignalized intersections and roundabouts.
- » Synchro offers the ability to save multiple scenarios to a single file.
- » After a single traffic signal or traffic analysis project, Synchro Studio pays for itself.
- » The software provides enhanced two-way Integration between Synchro traffic analysis and Cubic's Advanced Transportation Management System (ATMS).

INCLUDED IN SYNCHRO STUDIO



SYNCHRO

Design, model and optimize traffic signal infrastructure.



SimTraffic

Simulate real-world vehicular and pedestrian traffic scenarios.



3D Viewer

Convert two-dimensional modes from SimTraffic to a 3D Viewer application.

SUPPLEMENTAL MODULES



TripGen

Calculate the expected number of trips based on data from the Institute of Transportation Engineer's (ITE) Trip Generation Manual.



Warrants

Evaluate a network of intersections according to the Manual on Uniform Traffic Control Devices (MUTCD) standards and guidelines for signalization.



BING MAPS

Bing™ Maps is the default Synchro Background. This module increases the efficiency of coding a Synchro network without the extra effort to import a background image. Using Bing Maps assures that the Synchro network is appropriately scaled and follows accurate latitude and longitude.

SCENARIO MANAGER

Scenario manager allows traffic engineers to reduce the number of Synchro files needed by saving multiple similar Scenarios in one Synchro file. Geometry is synced across all Scenarios, reducing coding errors and improving efficiency. You can quickly switch between Scenarios allowing for a more accessible analysis of results with different volumes and timings.

	v8	v9	v10	v11
HCM 2010 Methodology	✓	✓	✓	✓
Use of Bing™ Maps	✓	✓	✓	✓
Improved Lane Change Capabilities (SimTraffic)	✓	✓	✓	✓
Record Videos of Simulation (SimTraffic)	✓	✓	✓	✓
Lane and Phasing Templates	-	✓	✓	✓
View Ports	-	✓	✓	✓
Advanced Signal Optimization Capabilities	-	✓	✓	✓
Traffic Impact Analysis (TIA)	-	✓	✓	✓
HCM 6th Edition Methodology	-	-	✓	✓
Modern, Easy-to-Use Ribbon Bars	-	-	✓	✓
Scenario Manager				✓
Bing™ Maps as Default Background				✓
Remote Access				✓

SUPPORT AND MAINTENANCE

At Cubic, we are dedicated to offering superior service and delivering a quality solution for our customers. We provide a Software Maintenance Agreement to ensure you receive timely support and the latest software updates.

Training videos are aimed at providing users with brief focused information on a particular feature within Synchro or SimTraffic, viewable at any time.

Contact us for more information.



WHO WE ARE

For us, transportation is personal. We know that every journey matters, no matter how long or short. That's why the team at Cubic Transportation Systems helps transportation authorities and transit agencies design, integrate, deploy and manage mobility systems fit for the challenges of tomorrow.

We work alongside our transportation partners to understand their needs, objectives and budgets while helping them build modern mobility systems to manage demand and congestion, make journeys safer and empower travelers to make informed and preferred travel choices.

Whether you're after a small-scale cloud-based, real-time passenger information system, a regional congestion management platform or a complex traffic management system for urban networks delivered in an as-a-Service model, we're here to support you and your customers.

Our solutions are scalable to ensure we're the right-sized partner for any job, from rural communities like Eugene, Oregon, and Merida, Mexico, to urban metropolises like London, New York City, Sydney and Singapore. With over 1,500 transportation projects across every continent under our belt and a network of convenient, locally-based offices with dedicated support teams, we have the technology and the know-how to solve your mobility challenges.

But don't just take it from us. Hear from our local partners who entrusted us with their mobility needs. We've worked with partners from all transportation modes, including transit agencies, airports, highways, intersections and corridors across small communities, metropolitan cities and regional authorities.

Get in touch to see how we can work together to help your transportation network.

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