



Autosign

by CGS Labs



TRAFFIC SIGN AND ROAD MARKING DESIGN SOFTWARE



CGSLABS

TRAFFIC SIGN AND ROAD MARKING DESIGN SOFTWARE

Autosign is a professional software solution for planning 2D / 3D traffic signal design in CAD environments. Autosign includes extensive collections of country-specific traffic sign libraries, road markings, traffic lights, and other street furniture elements. It generates detailed layouts, reports, 3D (BIM) objects, and realistic visualizations to assist transportation engineers and design professionals.

Autosign's carefully designed user interface and workflows make it consistently user-friendly software.



TRUSTED MOST
BY DESIGN PROFESSIONALS

FIELDS OF USE

INFRASTRUCTURE DESIGN

01 ROADWAYS 02 PEDESTRIAN AREAS 03 BICYCLE NETWORKS 04 URBAN AREAS



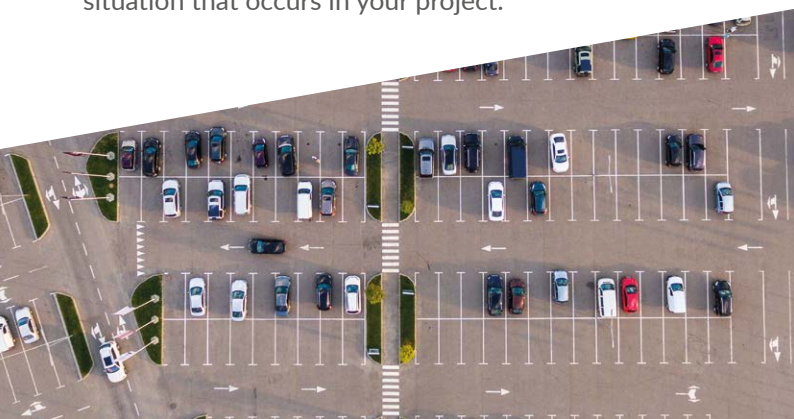
TRAFFIC MANAGEMENT

Use Autosign for planning traffic signs and road markings in both urban and inter-urban road infrastructure, redesigning the traffic flow or implementing new practical solutions to any problem that traffic engineers may face.



ROAD WORKS AND TEMPORARY SITUATIONS

Indicate lane closures and road works, create diversion paths, set safety and visible limits for pedestrian sidewalks and manage the signaling of every temporary situation that occurs in your project.



CAR PARKING AREAS

Autosign provides tools to design details of parking facilities, such as delimitation lines, vertical signaling, height control gantries, and more.

WAREHOUSE TRAFFIC DESIGN AND MANAGEMENT

Design signaling for indoor and outdoor traffic, warning and restricted areas for warehouses, production facilities, and industrial areas.



CYCLE PATH NETWORK DESIGN

Urban planners will be able to shape every pavement marking and vertical sign to design sustainable cycle path networks, as well as to paint the paths or other elements.



SKI RESORT & SPORT CENTRE DESIGN

Facilities designers will discover in Autosign a product to design the requested signaling for ski slopes, as well as floor markings for courts and pitches of any sport – even running tracks.



MOTOR-RACING CIRCUITS & SAFETY DRIVING CENTRE DESIGN

Design the signaling and equipment at the highest level in term of competition and safety.



REFERENCES



FEATURES

SIGNALING PLANNING

Plan and draw the complete road signalization necessary for a professional project in AutoCAD Civil 3D, AutoCAD, BricsCAD or Plateia, using a wide set of traffic signs and pavement markings.



SIGNALING LIBRARIES

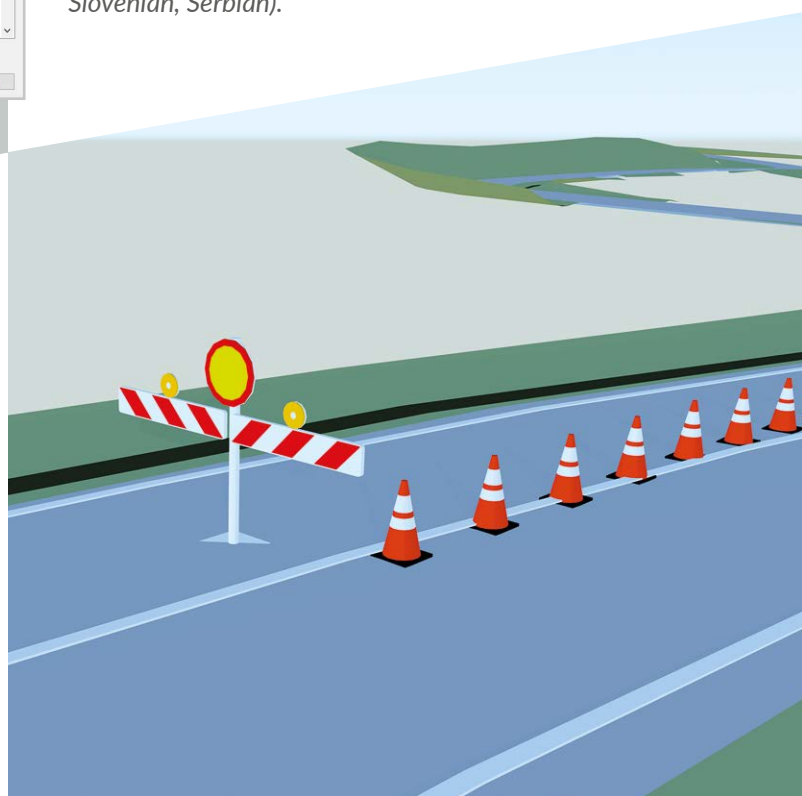
Autosign provides several country-specific road-signaling libraries defined by national guidelines, including traffic signs, longitudinal road markings, crossing road markings, and other pavement markings.

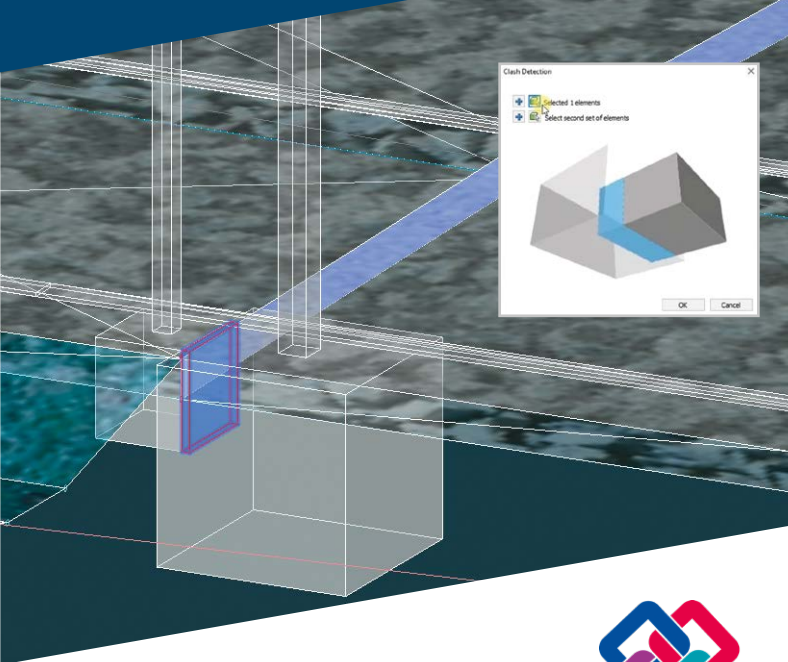
Users also have the advanced option to include their own traffic signs blocks into a customized library in Autosign and employ them in the designs with the same features that the predefined libraries possess.

(Contry-specific libraries included: Austrian, Bosnian, Croatian, German, Lithuanian, Polish, Romanian, Slovenian, Serbian).

STREET FURNITURE AND LIGHTING

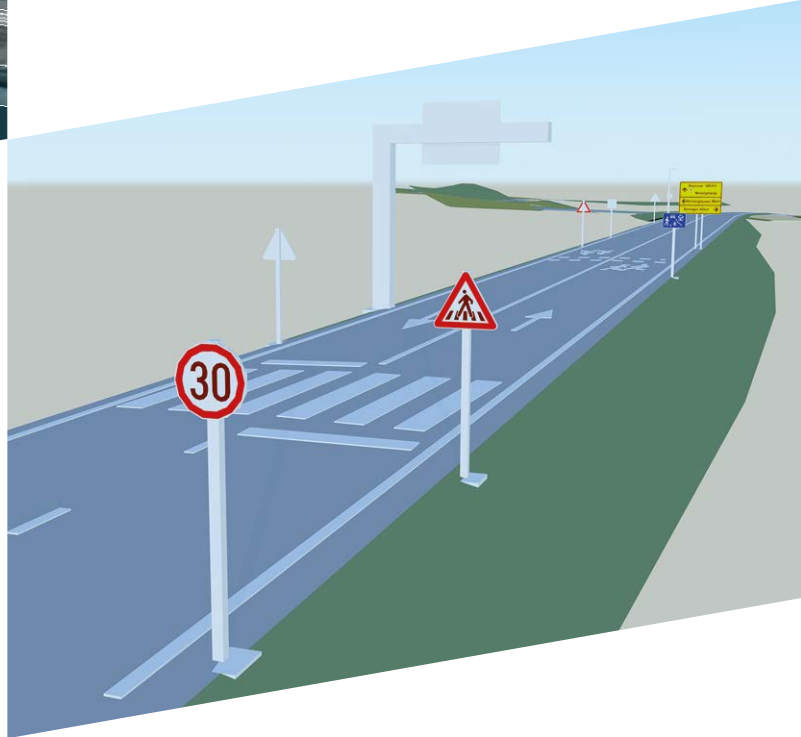
Autosign is not only for traffic signs and road markings; it also incorporates a broad collection of street furniture such as road gantries, traffic lights, safety barriers, road markers, snow poles, bollards, lighting posts, and many more.





CLASH ANALYSIS

Check possible collision (clash) that may occur between 3D traffic signs and other 3D BIM sub-models in your project, analyze collisions and find the best solutions to avoid them – all within your CAD drawing.



BIM SUPPORT



Autosign creates traffic signs, portals, road markings, and other side road objects as BIM objects (3D solid objects with assigned Property Set data), that can be viewed and manipulated in Autodesk Navisworks and InfraWorks or exchanged through the IFC 4.2 file format to be used in any BIM-ready software solutions.

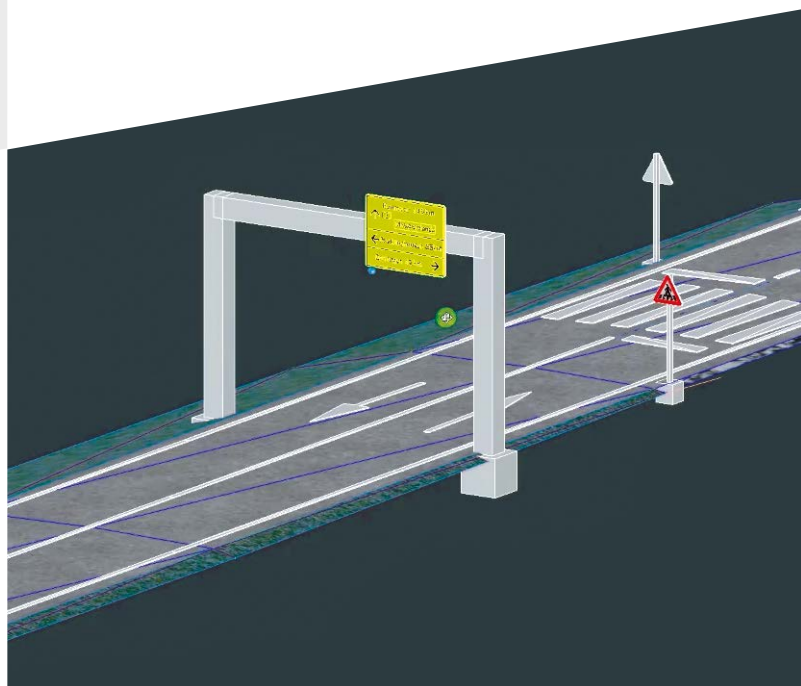
CODE	COMMENT	DIMENSION	HEIGHT	NR. OF POSTS	NR. OF SIGNS	POSITION	POST HEIGHT	REFLECT. V. MATERIAL	SCHEME	STATION
TR_434		1	2.00	2	1		3.00	RA2		0.020
TR_1115		0.78	2.00	1						
TR_1115		0.78	2.00	1						
TR_1116		0.78	2.00	1						
TR_2232-3		0.60	2.00	1						
TR_2427		0.40	2.00	1						

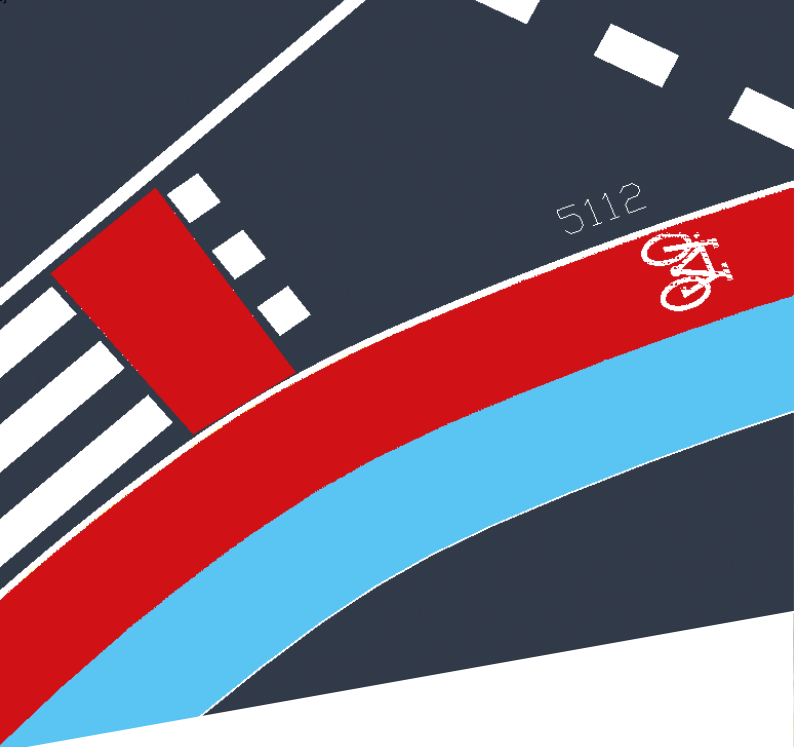
REPORTS

Autosign comes with detailed and customizable reporting capabilities for every traffic sign and road marking placed in the design, including new and existing signs listing, quantities take off, and exporting to Excel.

3D VISUALIZATION

Create realistic 3D models of the designed signalization and generate attractive visualizations. Use 3D model for sight analysis and safety measures.





COLORING

Autosign includes a new coloring function for painting road areas such as bicycle paths, pedestrian areas, crosswalk areas and many others.

Convenient and easy to use function for final visualization effects.

GOOGLE MAPS IMPORT & GOOGLE EARTH EXPORT

Autosign provides the option to import Earth Surface data (raster imagery and elevation data) from Google Maps directly into your CAD drawing to help visualize areas where the projects are located.

You can export your 3D designs directly to Google Earth to create accurate visualizations on the exact location of the project.

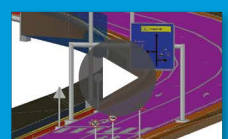
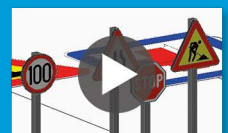
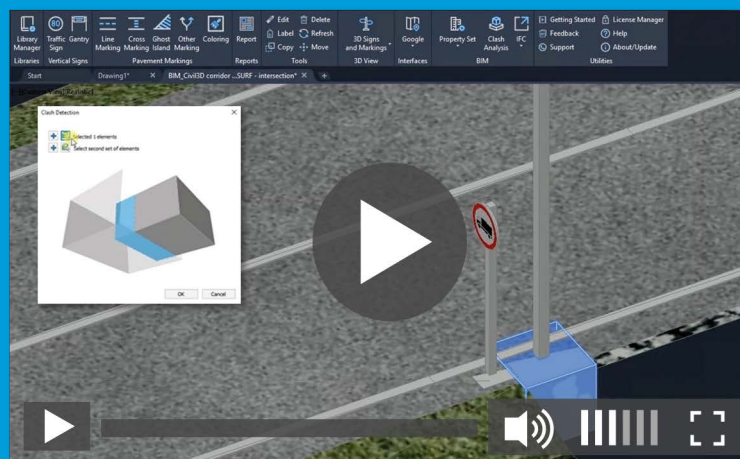


GET STARTED WITH AUTOSIGN



Watch playlist

www.bit.ly/cgs-autosign



FEATURES

Access to national libraries of traffic signs and road markings	✓
Traffic signs design	✓
Custom traffic signs	✓
Gantry design	✓
Pavement markings design (line markings, cross markings, ghost islands, arrows, etc.)	✓
Coloring of pavement areas	✓
Reports of traffic signs and road markings (with quantities)	✓
Import of earth surface data from Google Maps	✓
3D traffic signs and road markings	✓
Export 3D designs to Google Earth	✓
Support for 3D Solid objects (compatible with InfraWorks and Navisworks)	✓
BIM tools (Property set Manager / Editor / Filter)	✓
Clash Analysis within AutoCAD, Civil 3D, and BricsCAD	✓
Import & Export to IFC 4.2 file format for data exchange with other BIM software	✓

SUPPORTED CAD PLATFORMS

CGS LABS software runs on top of 2018–2024 versions of Autodesk AutoCAD and Civil 3D as well as BricsCAD Pro, BIM and Ultimate V21 to V23. AutoCAD LT and BricsCAD Lite are not supported! Only 64-bit versions are supported!



Bricsys® Application Partner
part of Hexagon



ABOUT CGS LABS

Laboratory of ideas, a software company engaged in the digitization of built and the natural environment.

CGS Labs is innovative software company with more than 30 years of experience developing solutions for the design, construction and maintenance of transportation infrastructure. Our applications promote openBIM approach and standardized IFC data exchange. We contribute to greater transparency, quality and cost-effectiveness of construction projects and support sustainable decisions.

01 SOLUTIONS FOR THE DESIGN OF CIVIL INFRASTRUCTURE

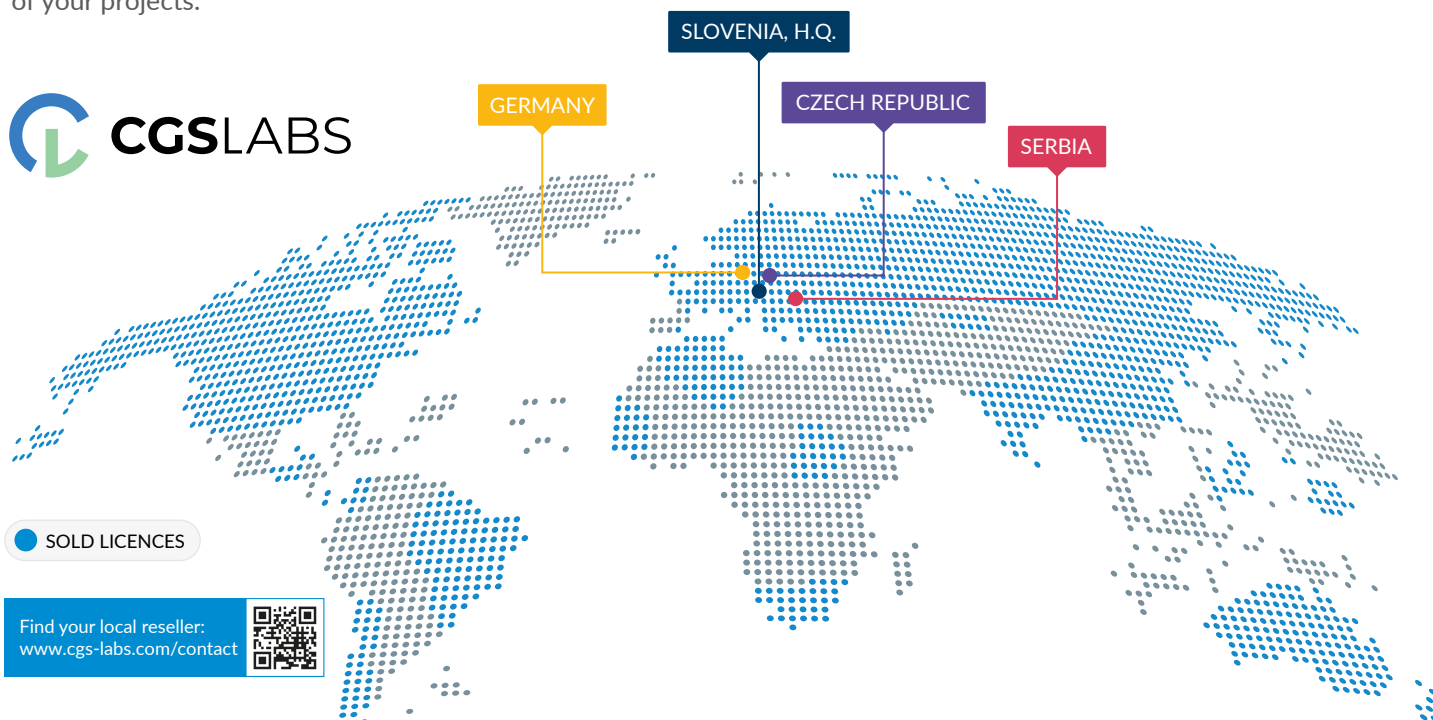
CGS labs develops specialized software solutions for the design of roads (Plateia, Autopath, Autosign), railways (Ferrovia) and channel - river engineering works (Aquaterra). Our software solutions incorporate local design standards.

02 CUSTOMER CARE & EDUCATION

We are not just a software vendor! Our goal is to successfully integrate CGS Labs solutions into your design processes. Our engineers help you get to the highest experience level for the use of CGS Labs software. Besides the always accessible on-line knowledge base, we organize traditional live customer trainings, as well as trainings per customer request, where we discuss selected topics according to the specific requirements of your projects.

03 TECHNICAL SUPPORT

Complete customer satisfaction is very important to us. If any problems should arise while using CGS Labs software, our team of experts is there to assist you, so your design process runs with minimum interferences or delays.



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