CGSLABS

CGS LABS SOFTWARE FOR INFRASTRUCTURE DESIGN AND MAINTENANCE

CGS Labs is innovative software company with 30+ years of experience developing solutions for the design, construction and maintenance of transportation infrastructure. We closely follow BIM trends and incorporate local design regulations and standards in our software. Our applications promote Open BIM approach and standardized IFC data exchange.

ROADS

Plateia
by CGS Labs

PLATEIA - BIM-READY ROADWAY DESIGN SOLUTION

Plateia is a professional, BIM-ready, 3D road design and reconstruction software solution. It provides the commands and tools to support the entire design process, from preliminary to detailed design, from the initial input of survey data to complex 3D road models with analysis tools, to documentation and publishing features. Using its flexible, dynamic data model, Plateia supports BIM (Building Information Modeling) workflows and processes.

Autosign
by CGS Labs

AUTOSIGN– 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.

AUTOPATH – SWEPT PATH ANALYSIS AND VEHICLE TURNING SIMULATION SOFTWARE

Autopath is a professional software solution for vehicle swept path analysis used by civil engineers, transportation professionals, architects, and urban planners. Autopath enables the simulation and analysis of vehicle maneuvers and more.

Autopath is distinguished by its carefully designed UI and workflow that make it fast to learn and easy to use. Competitive pricing, service for designing complex custom vehicles, and high-level technical support make Autopath the product of choice for professionals worldwide.

TESTIMONIAL

"The ease of use and intuitive interface of Plateia software provided us with additional fully functional road designers in less than 2 weeks of training. That helped us present a complete project decision with highway lanes and redesigned interchanges, without delays in design schedule."

- Kolyo Chervenkov, EngConsultProject Ltd (Bulgaria)

RAILWAYS

FERROVIA - BIM-READY RAILWAY DESIGN SOLUTION

Ferrovia is a professional, BIM ready, 3D railway design and rail track analysis solution. It supports a number of country-specific guidelines and provides tools for alignment and profile design, detailed cross section design and editing, applied cant, turnouts and rail connections, 3D modeling, and documentation production. Ferrovia alignment and profile regression analysis tools provide users with options for comprehensive rail track realignment and tamping machine guidance capabilities. Using its flexible, dynamic data model, Ferrovia supports BIM (Building Information Model) workflows and processes.

RIVER ENGINEERING

AQUATERRA- BIM READY CHANNEL / RIVER ENGINEERING DESIGN SOFTWARE

Aquaterra is a professional, BIM-ready, 3D/CAD software for channel and river engineering design. It integrates MIKE FLOOD or HEC-RAS hydraulic calculations with flood protection design, torrent and landslide control, and irrigation systems design. Based on layout, profile, and cross-sections, it creates 3D solid channel and river bed models, supports QTO data export, and offers plan production tools.
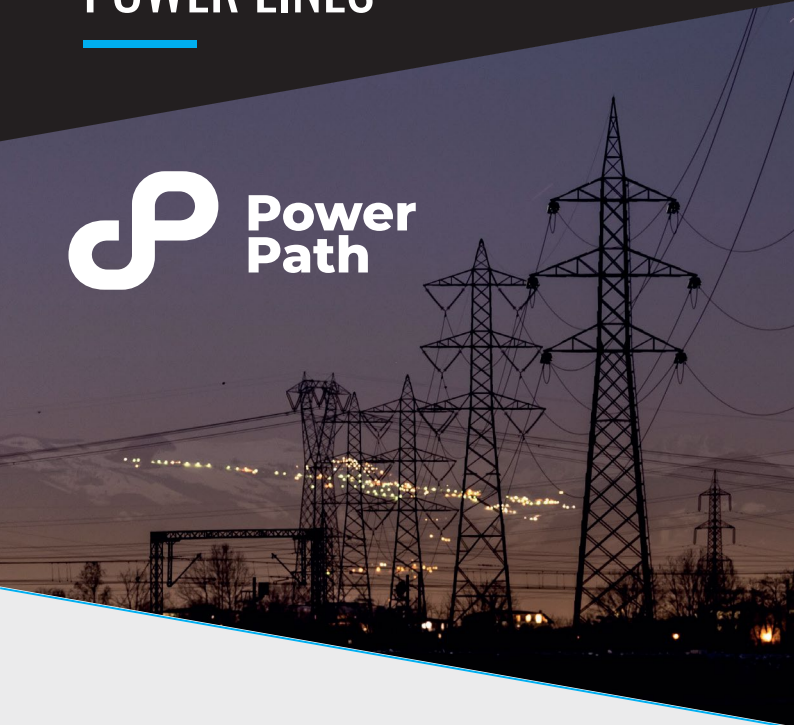
POWER LINES

POWER PATH– POWER LINE DESIGN SOFTWARE

POWER PATH is software for 2D and 3D design of new and existing power lines. The use of new technologies (open BIM) ensures the management of the construction life cycle and pre-construction review (augmented reality). All information and elements of the system are stored in the CAD/BIM environment, without the need for additional external files. Supporting different standards, libraries and abilities for power line calculations, the program is adapted to different world markets.

BricsCAD is a powerful CAD platform that integrates 2D design tools with intelligent 3D modeling and support for BIM. The working file format is the same as in AutoCAD, DWG or DXF. Through years of testing BricsCAD as a CAD platform for CGS Labs software, we have come to conclusion that it is a solid alternative to AutoCAD. The BricsCAD work environment is very similar to AutoCAD, so if user is used to AutoCAD he/she will easily adapt to working with BricsCAD. In addition, the price / performance ratio of BricsCAD is unbeatable.

IT SOLUTIONS FOR ROAD INFRASTRUCTURE MAINTENANCE SERVICES SUPPORT

VEDRA ROADS

VEDRA is an advanced weather information system for optimizing the operations of the winter road maintenance service. It supports the latest IT trends such as big data, IoT (internet of things) and AI (artificial inteligence) and supports adaptation to climate change.

ROAD WEATHER STATIONS

CGS Labs installs road weather stations for tracking temperature and condition of pavement and various other meteorological parameters. The stations provide comprehensive insight into the current weather situation on the road network.

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.

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.

FOR MORE INFORMATION CONTACT

Rudrabhishek Infosystem Pvt. Ltd.
A-6, Sector-58, Noida, Uttar Pradesh – 201301, India
Contact No. : +91 9319581803
Mail ID: info@replinfosys.com
Website : www.repl.global

REPL
Infosystem
The Power of Knowledge