

Office Software
Data Collection
Instruments
Survey & GIS
Civil Engineering
Construction
Accident
Reconstruction



Solutions for Land Development Professionals



800-25CARON (252-2766)

sales@caroneast.com | www.caroneast.com

"Your Complete Construction,
Survey & Geospatial
Solutions Provider"



Carlson Software produces a complete suite of solutions for land development professionals, across the disciplines of data collection, surveying, engineering design and drafting. In addition, utilizing its expertise in data collection, Carlson also offers accident and crime reconstruction field and office software for law enforcement personnel or law consultants.

“ We at Carlson recognize the paramount importance of free choice to the professional consumer in the land industry. We are committed to providing consistent software interfaces across hardware and across disciplines. This is the mission of Carlson Software. ”

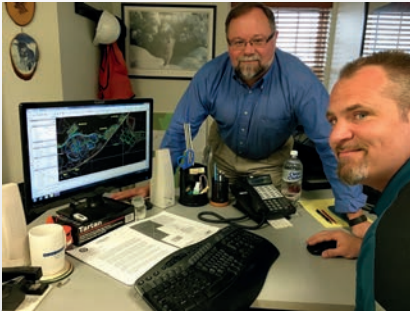
--R. Bruce Carlson
Founder and President
Carlson Software

Founded in 1983 and based in Maysville, Kentucky, U.S.A., Carlson has branch offices and local representatives around the world.



Carlson Works for You

Carlson Software encourages a “positive feedback loop” from our customers ensuring that our annual software releases are full of customer-driven new features. We are grateful for our high rate of customer retention over our history and firmly believe in providing free technical support, which Carlson has done since the day of its founding.



“With RoadNETwork [in Carlson Civil], you can grip/edit a centerline and have the whole thing seamlessly and dynamically update. That is the coolest thing I’ve experienced in the software.”

-- Christian Smith
Beals & Associates
Stratham, NH



“Carlson, with their hardware and their software, as far as I’m concerned, they’re number one in the market. You just can’t beat them. I recommend it to everybody.”

-- John Hill
President, CEO,
Alphatec Surveyors LTD
Chesapeake, VA



“Biggest benefit I’ve seen from SurvPC is really the time management and just how compatible it is with multiple types of software, whether it’s a Carlson software, not a CAD software, or simply just Esri®. Because of being able to do so many different data file types, I can work in any of those and I don’t have to worry about how I am going to convert files.”

-- Clay White
GIS Coordinator,
Berea Municipal Utilities
Berea, KY



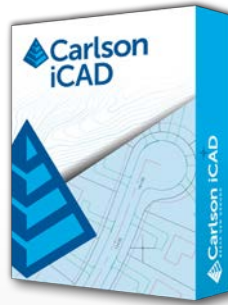
“We started with SurvCE on the Carlson GPS receiver and expanded to Carlson Survey and then moved over to Carlson Construction for its estimating capabilities, 3D drawings and the ability to make 3D models for machine control. The more you get to know it, the more you can do it with it.”

-- Sean Roberts
Construction Surveyor
Van Etten/Blijdorp
Vlaardingen,
The Netherlands

Carlson iCAD

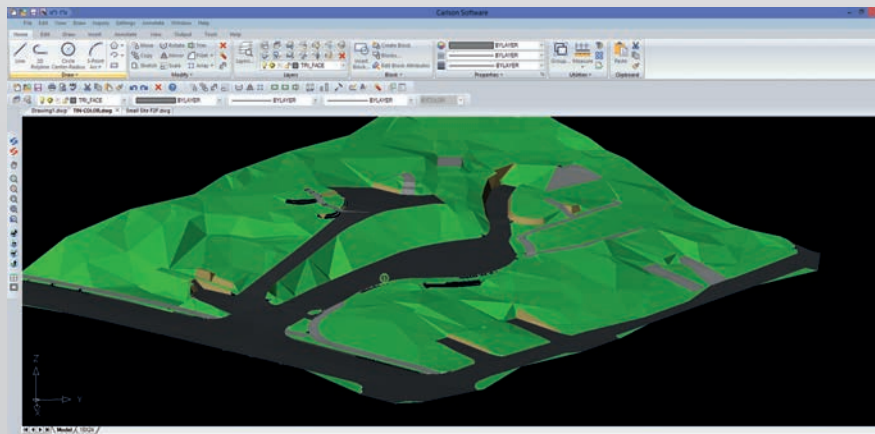
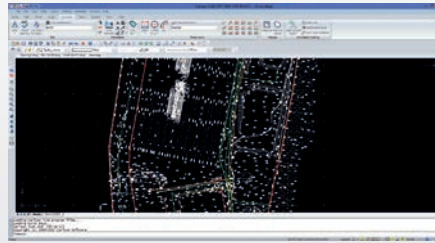
Simple but Powerful CAD solution

Carlson iCAD is an affordable CAD program that is .dwg file based and designed to fit into your production workflow. Carlson iCAD allows drafters to finish drawings and engineers to review drawings.



Basic Features:

- 2D and 3D CAD package
- Based on .dwg, .dng file
- Built on IntelliCAD® 8.3 engine
- Carlson Software drafting and annotation tools
- Perpetual license
- Free tech support
- Open/Save .dwg, .dng and .dxf files: Supports 2017 and earlier formats
- Plot: Output to printers and PDF
- Google Earth: Import and Export KML/KMZ
- Civil 3D: Convert Civil 3D custom objects to standard CAD entities
- Xref: Manage external references
- Drawing Utilities: Functions include spell check and purge



Carlson Survey

Surveyors' #1 Software Choice

- Get full tool kit – everything from network least squares to surface modeling
- Work seamlessly between office and field
- Establish company-wide design styles
- Create GIS links & exchange Esri® data



Choose your platform - Carlson Survey works on:

- AutoCAD® (sold separately)
- IntelliCAD® (built-in)

Or choose **Carlson Survey OEM** with built-in engine Powered with Autodesk® Technology.

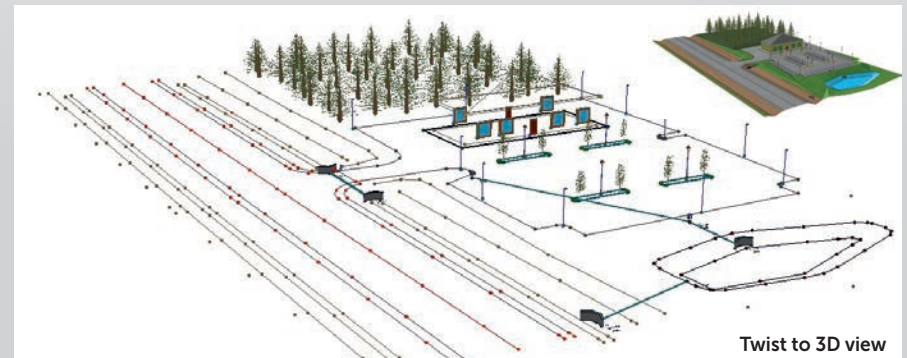


Least Squares Adjustments

Get the Power of Carlson Field-to-Finish

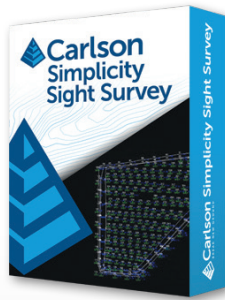
Carlson Survey together with Carlson's popular data collection software options, SurvCE, SurvPC, and Field, provide powerful, effective, and accurate "Field-to-Finish":

- Symbols, points and linework are drawn automatically in Carlson Survey
- Drawings in SurvCE, SurvPC, and Field process perfectly and easily in Carlson Survey



Twist to 3D view

Carlson Simplicity Sight Survey



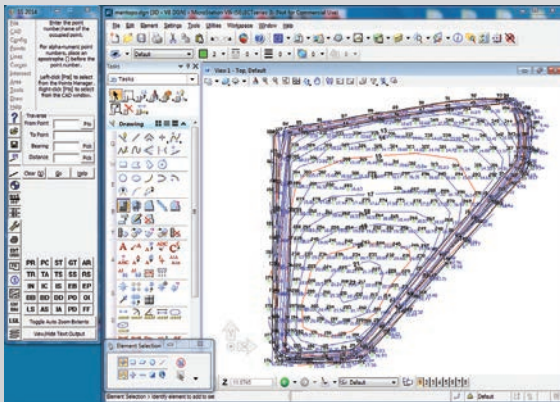
Carlson commands, Microstation® platform

A Windows-based coordinate geometry program, Simplicity provides simplified methods for solving commonly encountered coordinate geometry and construction surveying problems.

Simplicity works with:

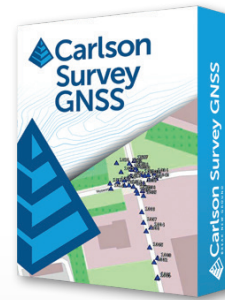
- AutoCAD®
- IntelliCAD®
- Microstation®

It can also run without a CAD application, giving its users ultimate flexibility in a COGO program and offering an economical choice to surveyors needing familiar commands, such as Field-to-Finish, Edit-Process Raw Data, and Network Least Squares.



Field-To-Finish and Contour output in Microstation V8i

Carlson SurveyGNSS

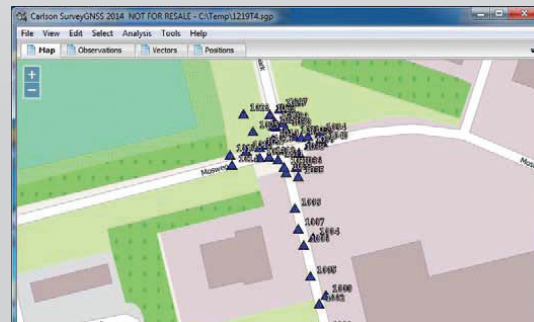


For all your Post-Processing needs

Designed for surveyors and positioning professionals, Carlson SurveyGNSS is a simple, yet powerful post-processing software that achieves high accuracy results for computing quality vectors and resultant positions.

Key features include:

- Import GNSS observations from any GNSS receiver in RINEX and other proprietary formats
- Achieve high accuracy results in areas with limited or no real-time corrections
- Get intuitive user interface with tables, maps and graphs
- Interact efficiently with Carlson SurvCE, SurvPC and Carlson office software
- Do quality control of GNSS data before export to Survey or GIS software



Stop and Go rover points for topo survey

Carlson Point Cloud



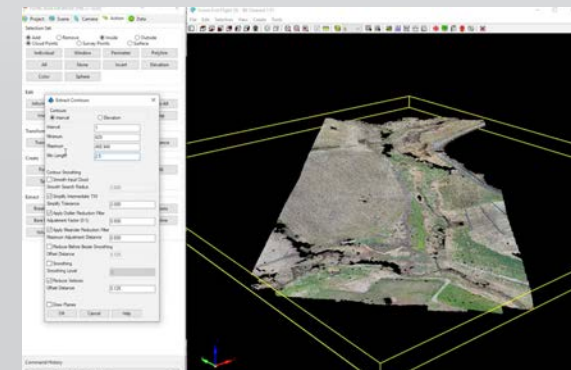
Bring Point Cloud data to the world of CAD

A modular program that provides the ability to go from field scan to finished plat, Carlson Point Cloud delivers powerful automation for large data sets. View and process up to 1 billion points all with Carlson ease-of-use.

Key features include:

- Register scans to local coordinates, filter or decimate the points, and overlay raster images in 3D
- Snap to edges and code descriptions for automated field-to-finish processing of linework and symbols
- Create contours, profiles, sections, and breaklines from within the point cloud

Lastly, all surface models, points, contours, breaklines, grid and profiles can be exported to CAD.



Read scan data from many instruments

Carlson Civil Suite

The Ultimate Civil Package



Get Fair Price, Full Featured CAD, and Free Support with Carlson Software’s Civil Suite, a powerful bundle made up of: Carlson Survey (see page 4), Carlson Civil, Carlson Hydrology, and Carlson GIS. These four civil-related modular programs, working together, provide the ultimate civil package that dramatically increases productivity while helping users create better designs.

All Carlson office software modules come with perpetual and maintenance licensing with Carlson customers allowed to own the software and to upgrade when they choose. They come with IntelliCAD® built-in, plus run on top of any AutoCAD®, Civil 3D®, or Map® from versions 2010 and up. Carlson has offered free support since the founding of the company. It’s what we’re based on – Carlson works for you!

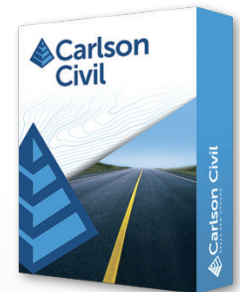
Fair Price

Full Featured CAD

Free Support

Carlson Civil

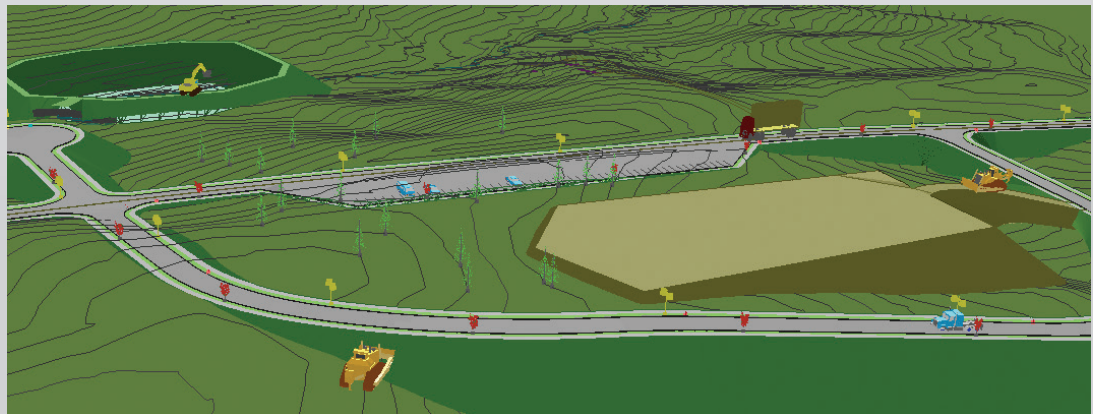
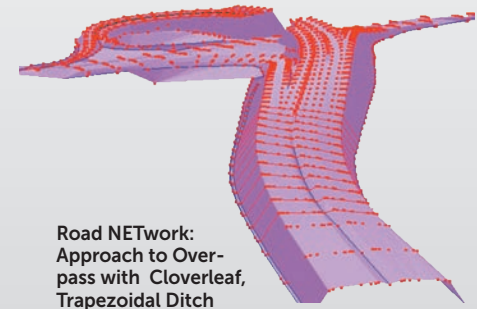
The ‘Civil’ Choice



Carlson Civil provides the most robust automation and ease-of-use of any civil design solution available today, and it does dynamic updating without a single custom object. What might take days with other civil software takes just hours, or even minutes, with the powerful, intuitive Carlson Civil:

- **Road NETWORK.** Build all roads, intersections and cul- de-sacs in 2D and 3D with a single click of the “PROCESS” button.
- **Site NETWORK.** Elevate your estimating accuracy with this intuitive layer-based surface generator for easy cut/fill and material quantities calculations.
- **Lot NETWORK.** Quickly define an entire subdivision of lots based on an outer boundary, interior ROWs or Centerlines, and a simple set of user-defined “rules,” then pick “PROCESS” and the lots appear, defined and labeled.

With Carlson’s fully dynamic design environment, its trademark “networking,” changes made to one aspect of design are reflected in all other related aspects. Plus, Carlson Civil users get true 2D, easy-to-use 3D, intersection design, multi-baseline road networks, lot layout, storm and utility analysis and design, plus much, much more.



Carlson Hydrology Complete Hydrologic & Hydraulic Solution

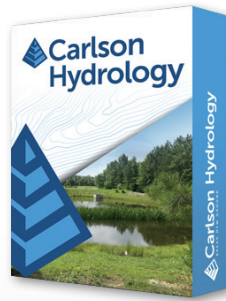
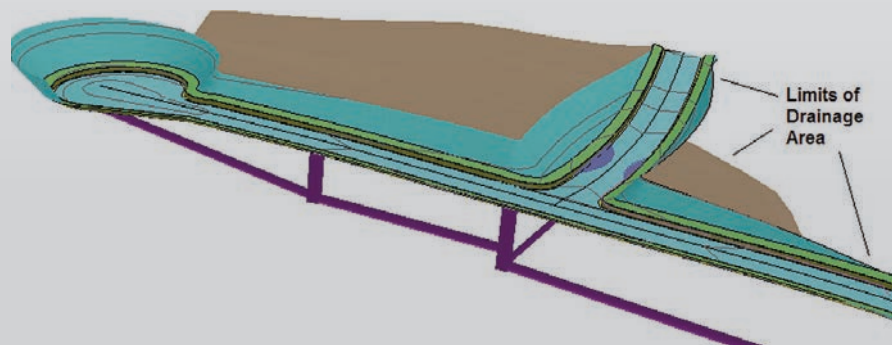
Comprehensive, yet easy-to-master, Carlson Hydrology provides the automation to meet your hydrology needs and all in the CAD environment of polylines, text, and layers.

Full 3D road and lot design feed directly into flow calculations and drainage design.

Top attributes include:

- Site Drainage-using either Rational or SCS Method
- Runoff Analysis to determine watershed area, time of concentration and peak flow rates
- Storm Drain System design and drafting
- Pond, culvert, channels, and outlet design and sizing
- Extensive libraries on rainfall, inlets, manholes, outlets

Carlson Hydrology provides a system-wide stormwater solution in 3D, offering enhanced 3D options plus a command to run multiple rain events at the same time. The software also provides warnings for collisions, excessive pipe lengths, insufficient cover, lack of slope, excessive flow rates, and more.



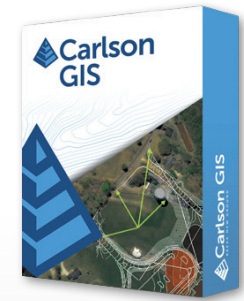
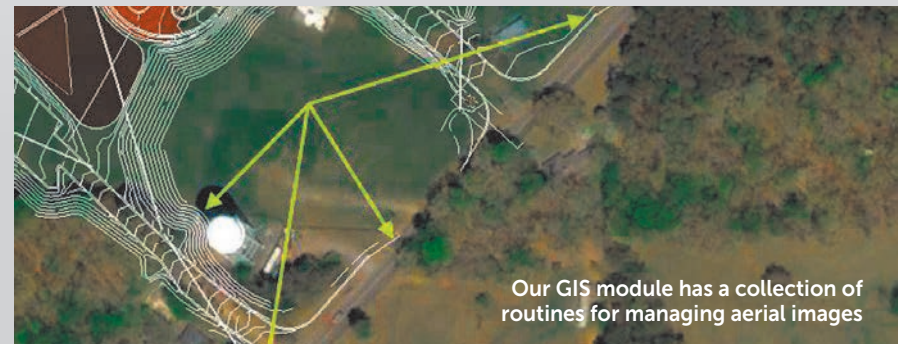
Carlson GIS Put Your Designs on the Map

With tools for data capture and linking, data labeling, import/export of SHP files, polygon topology creation and analysis, and more, Carlson GIS is a true GIS “Swiss Army Knife” for the surveyor or engineer. The routines for managing aerial images enable users to improve the quality of the geographic positioning of their designs.

With Carlson GIS’ powerful GIS automation, users can input, edit, label, inspect, and report GIS data to entities via simple tools, in addition to obtaining topographic and planimetric features from county databases.

Other attributes include ability to:

- Import images and terrain from both Google Earth and Esri®
- Perform preliminary engineering and hydrologic studies, and planning analysis
- Drape images on 3D surfaces and view in 3D
- Handle large image areas and adjust the resolution
- Import GIS layers as linework with GIS data with Web Feature Service (WFS)
- Use Web Map Service (WMS) to place images from Carlson Image Server or user-specified server



Carlson Takeoff Suite

Carlson Takeoff is a cut/fill volumes and data prep (for layout or machine control) solution that can estimate jobs using paper plan digitizing, PDFs, or electronic CAD files. It is available in two configurations--Takeoff OEM (comes with AutoCAD engine built-in) and the Takeoff Suite, comprised of Carlson Construction, CADnet, Trench, and GeoTech (see following).

Carlson Takeoff is the only estimating software that works in the .dwg environment natively, which gives its users a distinct "CAD Advantage" when estimating from an engineer's electronic files.

The Takeoff OEM has all of the same ingredients as the Takeoff Suite, which works on AutoCAD sold separately, or with IntelliCAD built-in. The Takeoff Suite's four modules are all fully integrated with Carlson Civil and Hydrology to meet the variety of customers' needs.



Carlson Construction

For Estimating & 3D Modeling

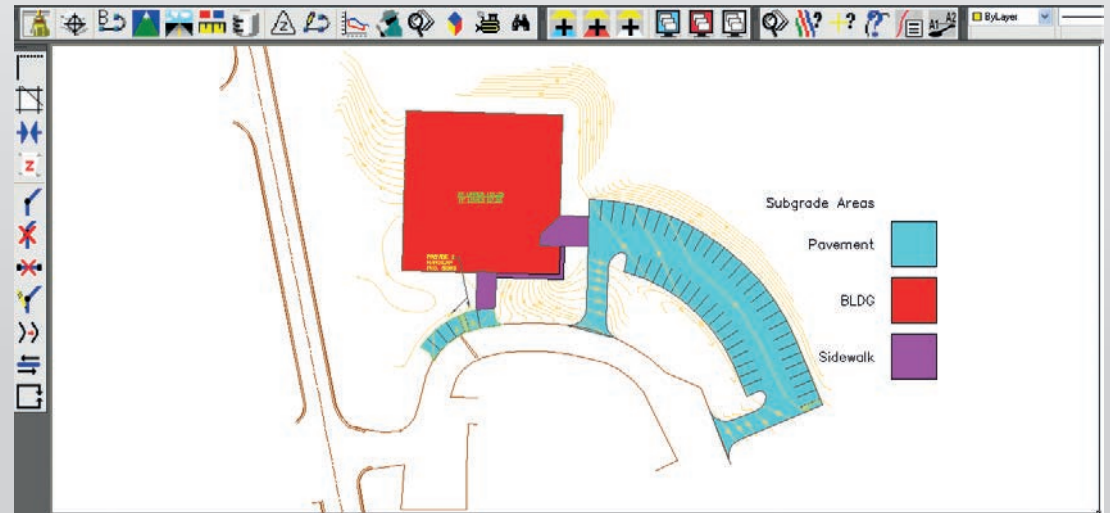
Carlson Construction is an integrated cut/fill takeoff and 3D surface modeling software solution designed for site and road construction from CAD files. It offers powerful section and 3D viewing tools for elevating 2D designs to 3D model files.



Core Abilities:

- Cut/Fill Estimating
- Output 3D Machine Control Files (Carlson Grade, Trimble, CAT-Accugrade, Leica, and Topcon)
- Output Construction Staking files for site, roadway, and building columns and offsets
- As-Built Mapping

Carlson Construction's Material Quantities Reports give estimators the volume, area, length and/or count for items such as asphalt, gravel, curb, or any "subgrade" or "select fill" that's defined. For construction data prep, Carlson Construction creates surfaces from points and contours and can easily move lines from the "wrong" elevation and slope to the correct elevation and slope.



Subgrade Color Map

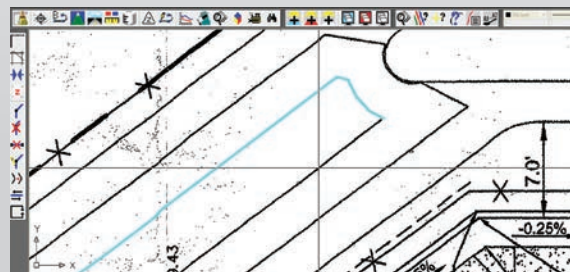
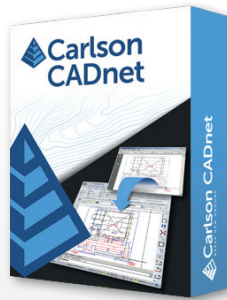
Carlson CADnet

Create CAD from PDF, BIM, and more

Carlson CADnet allows users to create CAD from non-CAD documents such as PDFs, raster images, and paper plans. CAD text can also be generated from raster images with CADnet's built-in Optical Character Recognition (OCR).

With Carlson CADnet, users can access a full set of digitizing routines for: Points, Polylines, Areas, Contours, Profiles, Sections, End-Areas.

CADnet gives users the ability to import BIM models (doors, windows, walls, roofs, etc.) and bring them into CAD as CAD entities; plus, CADnet includes a routine to export surfaces into BIM.



PDF Auto Trace

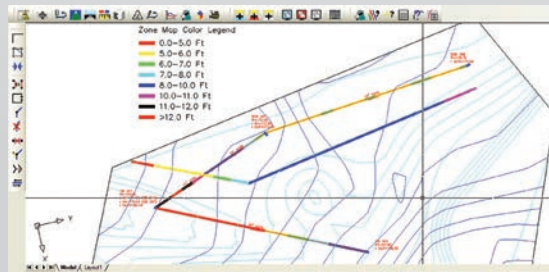
Carlson Trench

For Trench Quantities & Modeling

Carlson Trench is for calculations related to installing pipes, sewers, or utility lines. The software calculates the volume of the trench cut, the volume of backfill (excluding pipe size), and the linear footage of pipe broken down by the pipe material, size, and/or depth.

Core capabilities in Carlson Trench include:

- Calculates trench excavation and backfill quantities
- Draws trench network in plan view, profile and 3D
- Automatically adjusts trench design based on pipe size
- Produces Trench Reports including Manhole Depth Summary, Pipe Length By Size, Stations Depth Summary, Structure Details, etc.

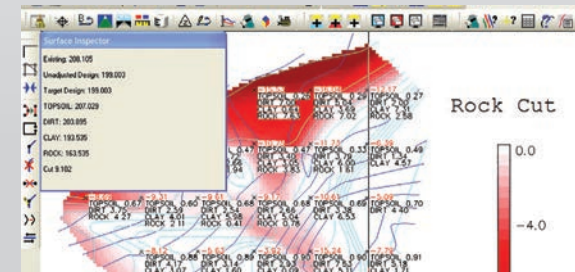
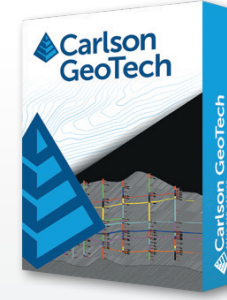


Trench Depth Zone Map

Carlson GeoTech

Know your Strata Cut

Designed for geotechnicians, civil engineers, and construction professionals, Carlson GeoTech provides the ability to import borehole data for analyzing subsurface conditions and materials. It models all core samples, producing a detailed, easy-to-read report for drill logs, cross sections, and plan view. This information is fully integrated with Carlson Civil, for determining site stability and suitability, and also Carlson Construction, for accurate strata takeoff estimation.



Strata Cut Map

Carlson Photo Capture

Surveyors, Meet the Newest Tool in Your Kit

Aerial surveying is rapidly becoming a vital part of any surveyor's toolkit. Thousands of people use drone site flyovers every day to help boost efficiency and lower costs.

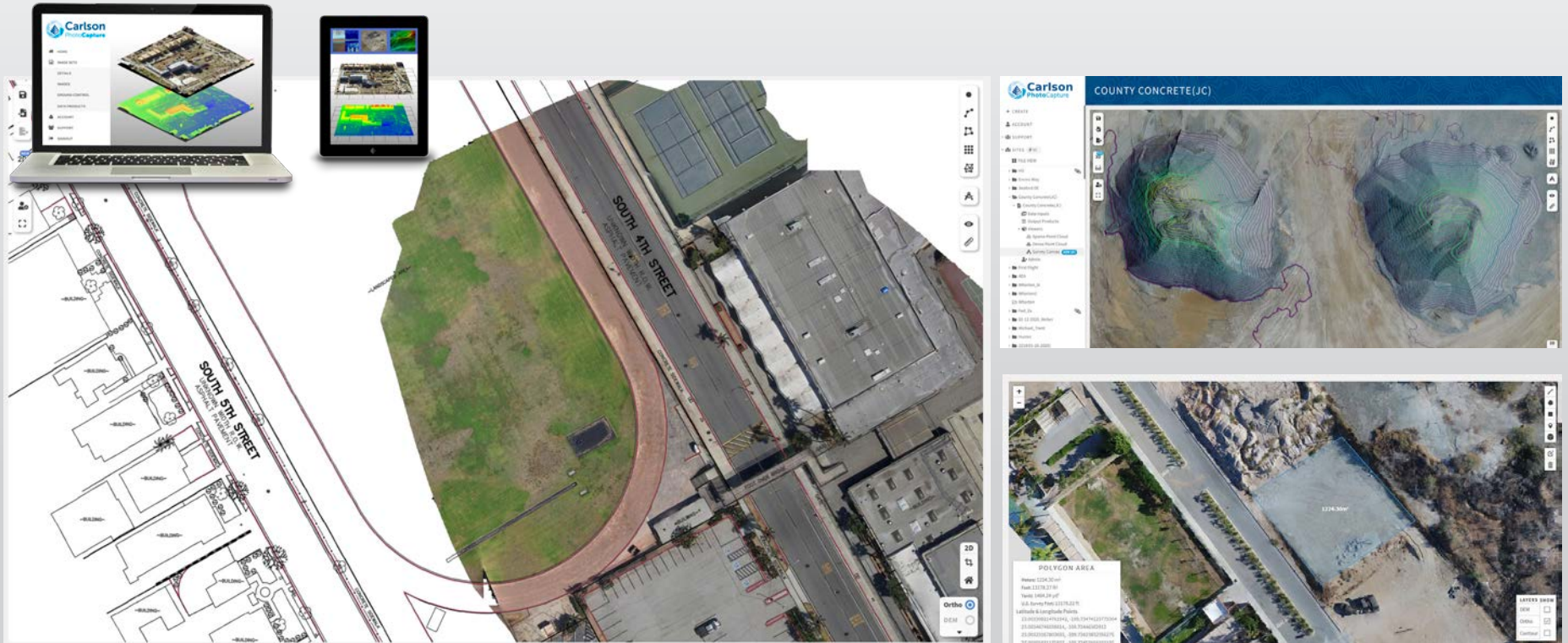
With Carlson Photo Capture processing, you can use flyover data to:

- Instantly generate interactive 3D maps of sites
- Capture highly accurate 3D site data from any camera
- Share site maps with customers -anywhere, anytime!
- Save man-hours in the field

Available in both cloud-based and standalone desktop versions, PhotoCapture meets the needs of today's professionals.

Powerful Features:

- View and edit your 3D map the minute it's done uploading
- Capture the full 3D layout of your land from any camera angle
- Composite an accurate map from multiple flyovers
- Turns pixels into accurate 3D models of your worksite
- Set control points to fine-tune the accuracy of your survey data
- Get topographic elevations of landscape features with just a click
- Show your 3D job site to customers and employees with our web app
- Instantly calculate the mass of any feature to learn how big your project is
- Get precise location-based data no matter what state you're in



Carlson Precision 3D Topo

Bridge the gap
between drones and CAD



Designed for use by surveyors, civil engineers, and contractors, Precision 3D Topo allows users to import survey data, points, polylines, surfaces, point clouds, both traditional LIDAR and aerial drone survey data, and more from a wide variety of programs and entities to create usable 3D surfaces.

- Importing Point Cloud data from Lidar and Aerial Drone mapping.
- Merge and edit point clouds to create surface models.
- Import survey data to further refine surface models.
- Powerful surface Editing tools to perfect surface models. Including Google Maps photographic background, automated Google surface creation.
- Easy surface volume tools directly from point clouds or surfaces.
- Advanced Texturing and Presentation Tools
- Import / Export all data as LandXML, DXF, and Surface Models as TIN, TN3, and TTM.



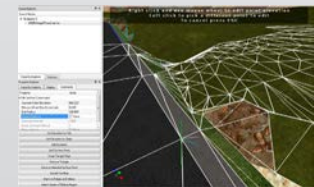
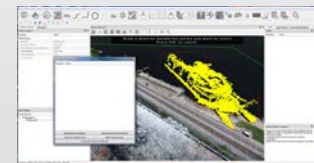
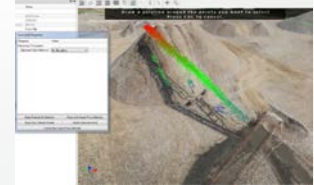
Import Point Cloud data from Lidar and Aerial Drone mapping.

- Import up to 50 point cloud files at once
- Bare earth classification filter .las, .laz, .ply, .xyz, .pts, .e57, .pcd files
- Remove outliers
- Apply thinning factor
- Automatically merge clouds.



Once the point clouds are loaded use the powerful editing tools.

- Point Cloud point selector tool for crop, delete, with the ability to create a totally new cloud from a the selection.
- Save point cloud to LAS/LAZ version 1.2, 1.3 and 1.4 including coordinate projection WKT.
- Merge multiple point clouds together.
- Crop point cloud to smaller area.
- Delete point cloud points.
- Crop/delete points using polygons.
- Remove trees, vegetation, cars, building using bareground filter.
- and much more....



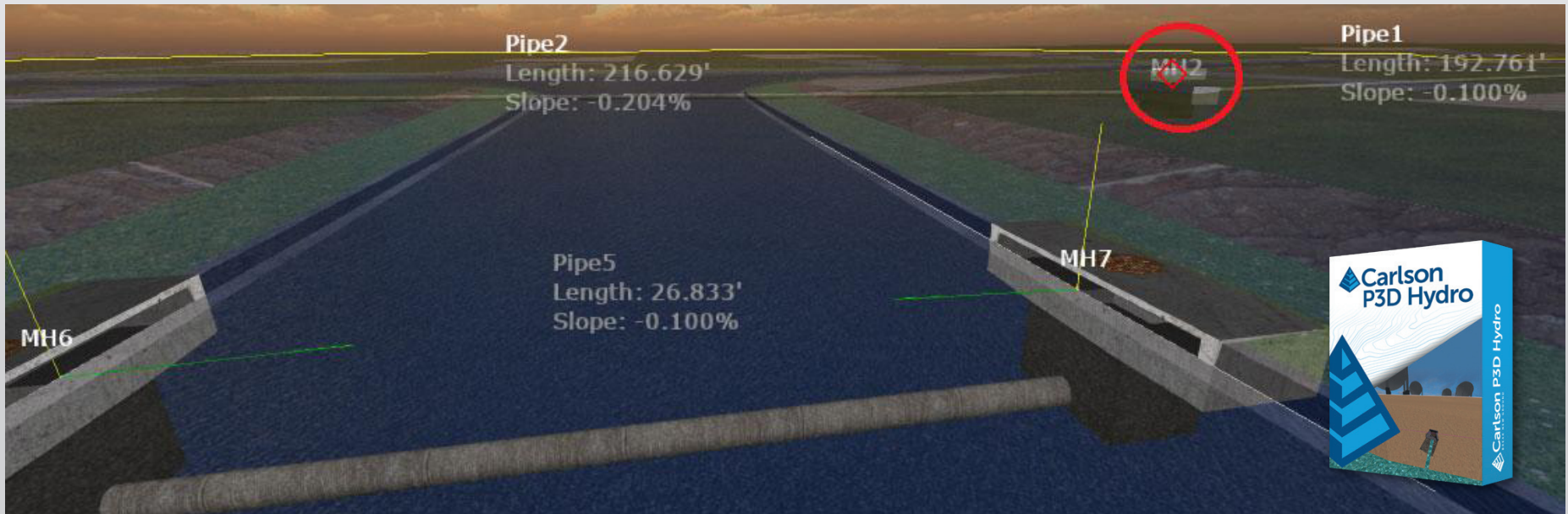
Carlson Precision 3D Hydro

Powerful 3D Design, Traditional CAD Deliverables

A smart, new software, with game-like ease of use, providing users tools for rigorous, precise engineering in 3D.

- Dynamic CAD automated plan and profile CAD design documentation
- Speed design with revolutionary drag and drop options for selecting headwalls and endwalls
- Delineate drainage and ponding areas
- Calculate runoff from surface models
- Size culverts and place at low points
- Curb Line Snap and low point snap for fast inlet placement
- Robust drainage structure library and the ability to customize their dimensions
- Grade surfaces for both upstream and downstream designs
- Move culverts and headwalls to new locations with full dtm restoration
- Choose from multiple barrel options
- Integrate easily into Carlson Civil Suite, AutoCAD and Microstation

Carlson Precision 3D 2020 provides the analytical tools to design with ease in a 3D environment while creating your CAD deliverables seamlessly and simultaneously.



CSI Mobile & CSI Office

Designed by and for Law Enforcement Professionals

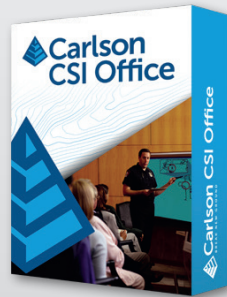
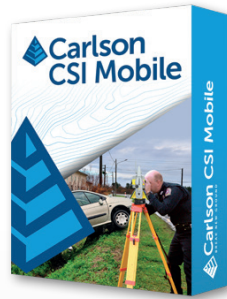
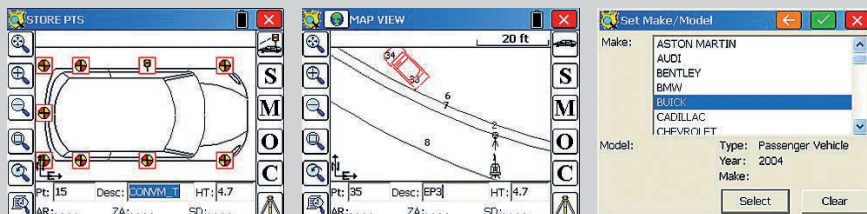
Carlson CSI Mobile is easy-to-learn and -use crash/crime scene software that utilizes the top data collection technology of Carlson Software, which has been adapted by police professionals for law enforcement's specific needs.

Top attributes:

- Clear crash scenes faster
- Work in all kinds of weather
- Find commands conveniently all in one menu
- Access extensive and up-to-date vehicle library
- Easily generate required PDF reports

Reconstruct traffic accidents... Measure and map crime scenes...

CSI Office, which is made for city and county police departments, State Police, and consulting firms engaged in accident reconstruction, provides powerful forensic diagramming capabilities to measure and map crime scenes and traffic accidents. Together with CSI Mobile, accident and crime scenes can be investigated and reconstructed accurately in the field then analyzed and mapped in the office.



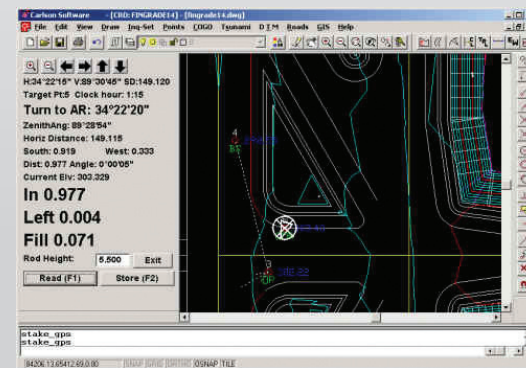
Carlson Field

Full Data Collection Inside CAD

Carlson Field enables real-time surveying in CAD on ruggedized PC/laptop computers. Users can not only collect data in the field, they can accomplish any basic COGO operation and also any high-level CAD operation. It is also possible to stakeout building corners, lot corners or any CAD feature by "snapping" to the CAD entity—without creating point numbers.

- Runs RTK GPS and conventional/robotic total stations
- Collects and stores points directly in the AutoCAD .dwg format
- Ability to place text on your drawing and contour in the field to verify that you have taken enough points
- Cut/Fill automatically displayed for staked points with elevation or along any TIN or Grid terrain model
- Plots linework. Field-to-finish is completed in the field!

Field is also designed for GIS work. It allows the collection of data associated with valves, manholes, power poles and other standard GIS elements. It works with affordable, sub-meter accuracy GPS systems from various manufacturers.



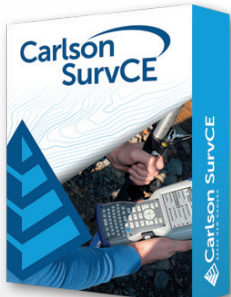
GPS Stakeout mode.



The large buttons on all Carlson Field dialog boxes designed for touchscreen computers

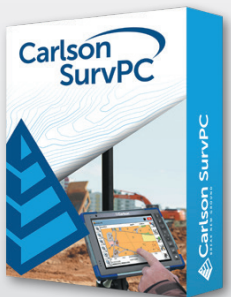
Carlson SurvCE / SurvPC

The data collection software for the professional surveyor



With SurvCE (for Windows Mobile) and SurvPC (for Windows) you are using the most flexible software on the market to get your work done in the most efficient and productive way.

Almost every surveying instrument from the following manufacturers is supported: Altus, Ashtech, Carlson, Geomax, Leica, Pentax, Sokkia, Spectra-Precision, Stonex, Topcon and many more...



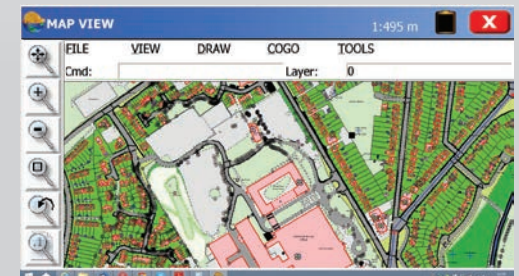
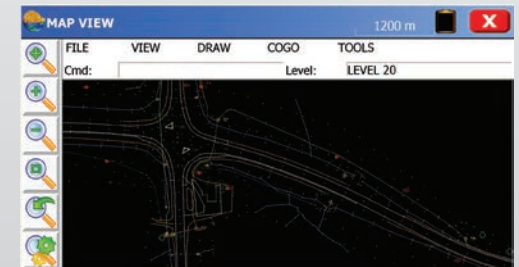
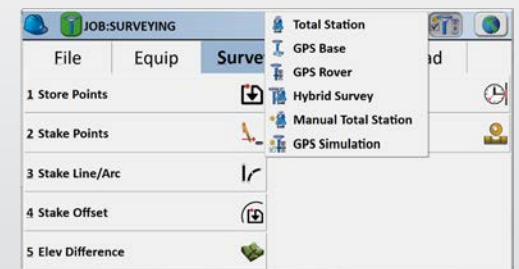
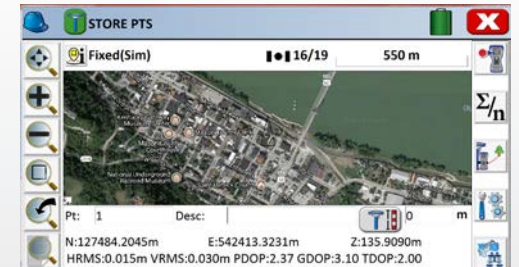
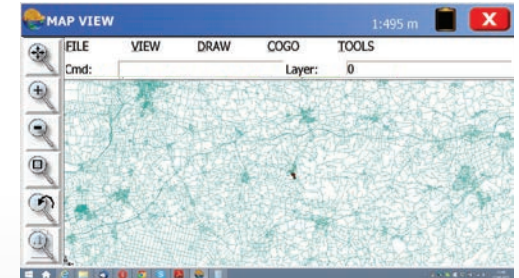
Carlson SurvCE and **SurvPC** are combining advanced functionality, ease-of-use, and

sheer capability with excellent service and technical support to make it surveyors' first choice in data collection software.

This complete data collection system for Real Time (RTK) GPS and total stations with in-field coordinate geometry supports the widest range of popular and new release RTK GPS and conventional/robotic total stations.

These powerful features help you do more, do it accurately and in less time:

- **Powerful Roding:** favored by U.S. DOTs and heavy highway contractors around the world
- **Advanced functionality** for staking intersections and cul-de-sacs using Carlson Road Network Files
- **Highly graphical** and intuitive **user interface** - the software prompts you so no detail is missed
- **Strong GIS features** for accurate data capture, including attribute data, that allows seamless links to Esri®
- **True versatility:** SurvCE and SurvPC run on most all GPS and total station equipment models in service today
- **Optimal Field-to-Finish:** no need to spend extra hours in the office to make drawings
- **Easy data exchange** due to rich support of CAD file formats and .dwg, .dgn, .shp
- **More field capabilities** with quick and easy volume calculation and ability to generate points from polylines
- **Cut/Fill stakeout** using surface files



Carlson Hybrid+

Follow Me

An alternative to optical tracking, Follow Me continuously turns the total station towards the prism using the GNSS location. Say goodbye to stray reflectors and lengthy searches, and say hello to a total station that is ready when you are.

Smart Lock

Use smart lock for a smarter survey. The software will automatically detect when you are slowing to take a measurement and lock on the prism so that it's ready to go as fast as you can hit store.

Smart Staking

With smart staking, it will no longer be necessary to maintain optical tracking during stakeout. Keep your stakeout directions fresh using the GNSS receiver as you make your way to your stakeout point. When you get close, the total station will automatically turn and lock on the prism for the final staking precision you need.

Cross Check

SurvCE will automatically cross-check your total station and GNSS positions and warn you when they differ, so you can cross stray reflectors and false-fixes off your worry list.

Backup Tracking

You always know where you are, and now your software will too. With backup tracking, SurvCE will automatically show your GNSS position on the map when your total station isn't locked.

Hybrid-Resection

Easy hybrid-resection allows for setup anywhere using GPS positions to calculate the total station occupied point and orientation. Measurements from the GPS and RTS are time-synchronized for an accurate and simple one-tap resection measurement.

Auto-Localize

Simplify setup by seamlessly auto-localizing your GPS receiver as you store total station points.

Easy Setup Wizard

The easy setup wizard walks you through setup using auto-localization, hybrid resection, or hybrid localization, then finishes with a Cross-Check to get you up and running quickly and confidently.



SurvPC with ESRI®

Get the ability to work natively in Esri

“This is an industry first. The new capability of SurvPC enables surveyors to work in the ArcGIS® system, yet with the interface they are familiar with. In the case of Esri® maps, SurvPC displays the map as saved in Arc and accesses the entire geodatabase. Features and attributes collected in the field are stored back to the geodatabase and displayed graphically with the correct symbols and linetypes.”

Bruce Carlson

Closing the gap

There has always been a large gap between land surveyors and GIS Data professionals. Shape files were for a long time the only link between these professions. Now through **Carlson SurvPC** it is possible for the land surveyor, through a familiar interface, to work with Esri® data without conversions or data loss.

The Esri® map is surprisingly sharp and clearly displayed in the field, including built-in zoom resolution, ‘freeze / thaw’. This also applies to MicroStation® drawings. In both cases, there is no conversion, you work in the original map, and you can identify each feature, modify or expand through conventional snap selection. Land surveyors have access to the available Esri® maps of municipalities and water boards, utilities, state or national government, and SurvPC will automatically retrieve all map related attributes. There is no specific preparation necessary - the built-in Esri® engine reads and writes Esri® mxd documents allowing SurvPC to

collect data and edit data directly into Esri® format. This makes it possible for surveyors and consultants to perform work in a uniform way for a variety of customers who make use of Esri® products, in an efficient manner.

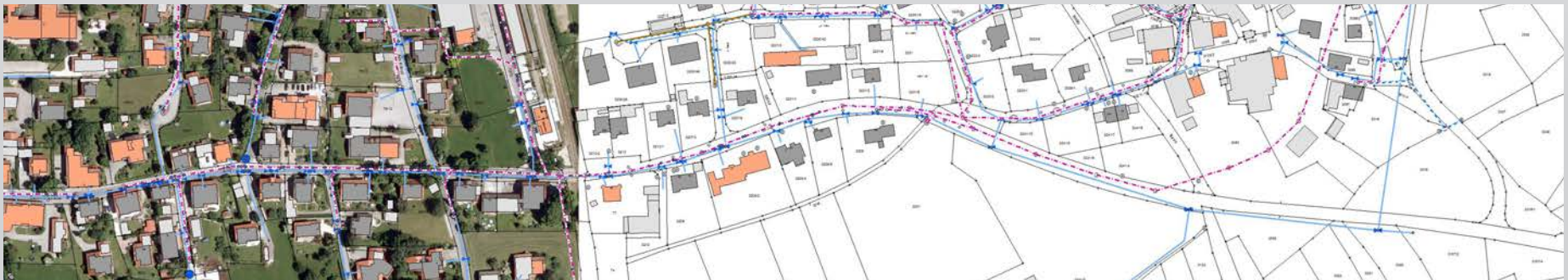
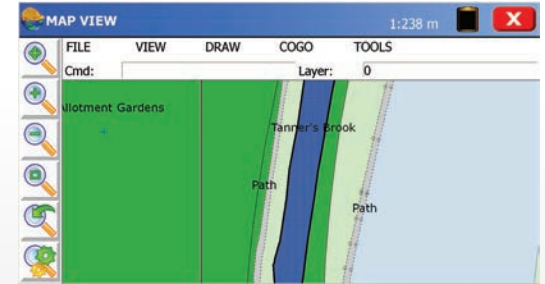
Total freedom in hardware choice

It has never been easier to create your own configuration of software and hardware. Carlson SurvPC supports a wide range of instruments; RTK GNSS receivers, Total Stations, rangefinders or even a Sonar for hydrographic surveys.

Choose your own platform; a robust tablet for the field or a powerful laptop for the office.

User Interface

Carlson SurvPC is designed for field use under all conditions. Simple interfaces and a large virtual keyboard, has made entering data even easier.

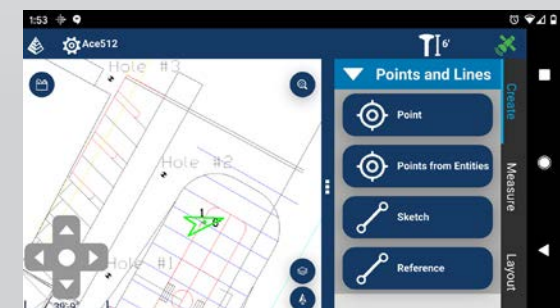
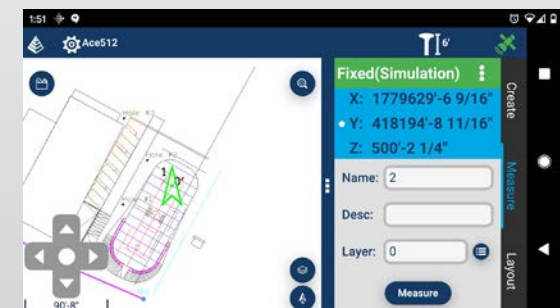
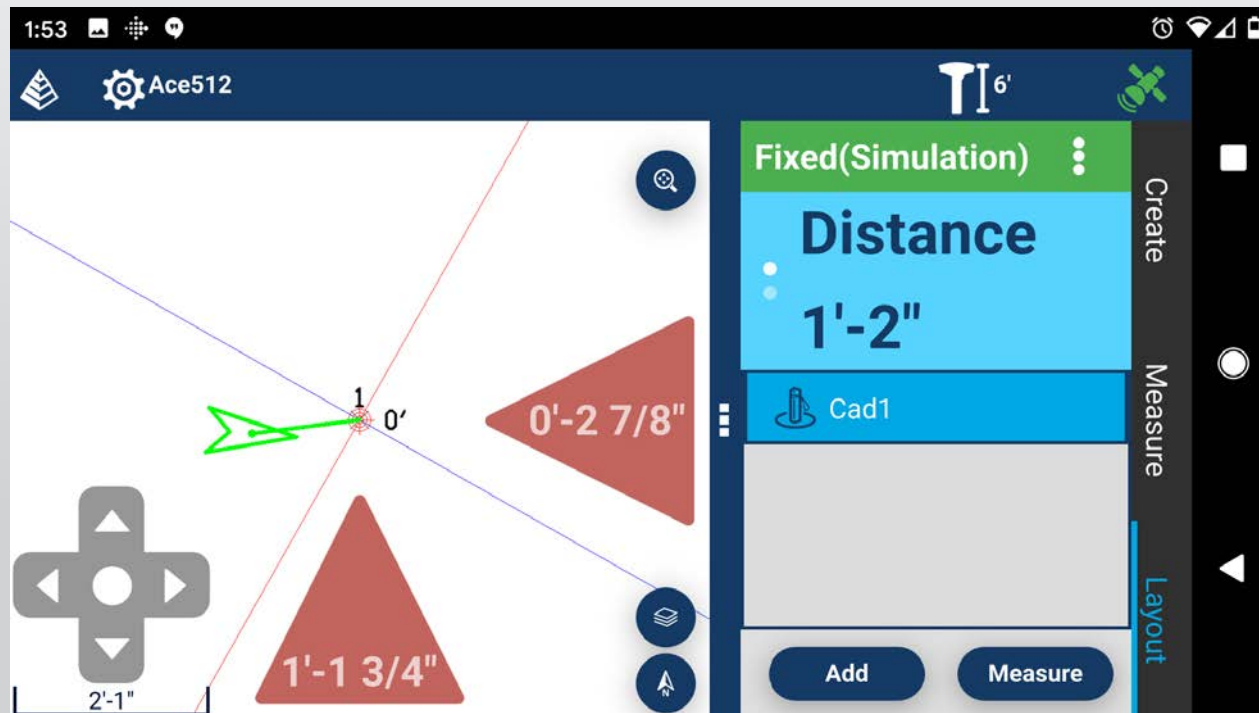


Carlson Layout®

Fast, Efficient Software for the Construction Layout Professional

Spend less time learning software and more time getting the job done with Layout's intuitive user experience

- **ANDROID BASED**
The Android platform allows **stability** and **performance** while operating on a wide range of mobile and tablet options
- **THE LARGEST DRIVER LIBRARY ANYWHERE**
With the full Carlson driver library, Layout delivers the widest range of hardware options available anywhere
- Full support for **DXF** and **DWG** files through the all-new mobile IntelliCAD engine
- Supports the full **Carlson projection library**
- Compatible with **Carlson CRD** and **CRDB** files
- Integration with **Google Drive** and other cloud storage for simple file handling
- Get **GPS RTK** connections from a cell phone, internal modem, internal radio, or external radio
- Simple, two-tap layout for points, lines, and surfaces
- Powerful reporting options to get your deliverables out the door
- Easily check surface or fixed elevations without creating points



Carlson RT4

Rugged Tablet

The Carlson RT4 is designed for surveying, stake out, construction layout and GIS mapping and is bundled with Carlson SurvPC – the Windows-based data collection program – with the option of running with the Esri® OEM program for use in the field. Or use in the office with any Carlson office software.

Performance

- Powerful Windows 10 for office-to-field use
- Plenty of memory - 4 GB RAM & up to 128 GB flash storage

Expandable Battery

- All-day battery runs 12+ hours for minimal downtime
- Operates in extreme temperatures from -20°C to 50°C (-4 F to 122 F)

Ready for Anything

- Long-range Bluetooth® Smart Ready, Wi-Fi®, USB connectivity, 8 MP rear and 2 MP front cameras
- 4G LTE (CELL and GEO/CELL models)
- High-performance GNSS receiver (GEO/ CELL model)

Juniper RUGGED™

- Maximum protection for your data
- Dustproof & waterproof (IP68 rating)
- Designed to MIL-STD-810G for ultra-ruggedness
- 2-year warranty

ILLUMIVIEW™ High-Visibility Display

- Large, 7-inch display for easy viewing
- IllumiView technology provides extraordinary visibility
- Optically-bonded capacitive touch screen for needle-sharp imagery
- Chemically-strengthened Dragontrail™ glass for excellent impact and scratch resistance

Available models

- Standard
- CELL
- GEO-CELL



