2021 Virtual Workshops Session #1-1: Overview of Carlson Software Products

A Virtual Workshop Using Carlson Software – Learn Software Overview and Civil Design Tools

This virtual workshop introduces Carlson Software's core CAD tools, licensing options and interoperability with AutoCAD and IntelliCAD. Jennifer DiBona demonstrates setup, field-to-finish workflows, surface modeling, lot design and road network creation for surveyors and civil engineers.

Key Topics:

- Carlson Software overview and independence
- Licensing, installation and maintenance structure
- Field-to-Finish, surfaces and data management
- GIS and Google Earth integration
- LotNet and RoadNet design workflows

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This session was presented by Jennifer DiBona on 12/01/2021.

What is new in Carlson 2022?

A Virtual Webinar Using Carlson Software – Learn What Is New in Carlson 2022

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, explores new features and improvements in Carlson 2022 software. The session covers enhancements in IntelliCAD, dynamic blocks, text editing, grading tools, hydrology workflows and integration with GIS and utility design systems.

Key Topics:

- IntelliCAD 10.1 enhancements and dynamic block support
- New commands and text editing improvements
- Pad grading, lot elevation and site design automation
- Integration with SiteNet, RoadNet and HydroNet
- GIS and QGIS workflows for shapefile management
- Stormwater and utility design updates

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This session was presented by Travis Maxwell on 03/15/2022.

Tools & Tricks For Converting Outside CAD Files

A Virtual Webinar Using Carlson Software – Learn to Convert Outside CAD Files

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provides a comprehensive walkthrough of best practices for converting and cleaning external CAD files for use in Carlson Software. It covers layer management, font and block cleanup, layer translation and troubleshooting performance issues in IntelliCAD versus AutoCAD.

Key Topics:

- Cleaning and optimizing external CAD files
- Managing layers, fonts and Xrefs
- Using layer translation tools and templates
- Handling blocks, line types and viewport colors
- Troubleshooting IntelliCAD performance issues

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This session was presented by Travis Maxwell on 04/13/2022.

2022 Virtual Workshops Session 1-1: Introduction to CAD

A Virtual Workshop Using Carlson Software – Learn CAD Fundamentals, Workspaces and Precision Drafting

The opening session of the 2022 Virtual Workshops introduced participants to IntelliCAD 2023 and Carlson 2023, focusing on CAD fundamentals, interface navigation and drafting precision. Jennifer DiBona guided attendees through command usage, settings, object snaps, polylines, text tools and practical workflow tips for survey and civil design professionals.

Key Topics:

- Overview of Carlson 2023 (IntelliCAD 10.1) release and sta bility improvements
- CAD interface elements: command line, toolbars, menus, rib bons, workspaces
- Default settings, command aliases and saving with backups
- Object snaps (OSNAP) and precision drafting
- Lines vs. polylines, grips and selection methods
- Text creation (single-line vs multi-line) and editing

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ve been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 11/15/2022.

The Very Basics of Carlson Field to Finish

A Virtual Webinar Using Carlson Software – Learn Field to Finish Basics

This webinar introduces the fundamentals of Carlson's Field to Finish workflow, led by Doug Aaberg and hosted by That CAD Girl. It walks surveyors through setting up code tables, managing linework and automating drafting tasks to improve efficiency from field data collection to finished CAD drawings.

Key Topics:

- Introduction to Carlson Field to Finish setup
- Creating and editing code tables
- Managing linework, symbols and layers
- Using special codes and offsets
- Automating drafting and data processing

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This session was presented by Doug Aaberg on 03/10/2022.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn to Build Surfaces with Breaklines and Shrink Wrap Boundaries

This webinar introduces the fundamentals of creating and refining surface models in Carlson Software, focusing on how to use points, breaklines and surface-editing tools to produce accurate terrain models. It covers best practices for data preparation, triangulation, contour generation and integrating external elevation data for design and visualization.

Key Topics:

- Preparing point and linework data for surface modeling
- Using Shrink Wrap Entities and Non-Surface point flags
- Building TIN surfaces and contours with Triangulate and Contour
- Creating and editing 3D breaklines
- Importing and merging external elevation data (NASA & Google)
- Visualization tools (3D Viewer, Flyover, Image Draping)

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This session was presented by Jennifer DiBona on 02/09/2022.

Overview of Carlson Point Cloud

A Virtual Webinar Using Carlson Point Cloud – Learn to Process Point Cloud Data

This webinar provides an in-depth overview of Carlson Point Cloud, demonstrating how to import, clean and process point cloud data for surveying and CAD integration. Presenter Doug Aaberg walks through workflows using drone imagery, Photo Capture and Carlson's Point Cloud Basic and Advanced modules.

Key Topics:

- Importing and managing point clouds in Carlson
- Cleaning and processing data (Bare Earth extraction, noise removal)
- Creating surfaces, points and CAD drawings from point clouds
- Using Photo Capture and GeoTIFF imagery
- Advanced tools for parking lot and color edge extraction

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This session was presented by Doug Aaberg on 04/28/2022.

Introduction to RoadNet in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Create Road Networks

This webinar introduces Carlson RoadNet, focusing on fundamental setup, workflow and troubleshooting for creating road networks in Carlson Civil. The session covers drawing centerlines, setting templates, managing intersections and cul-de-sacs and integrating lot grading for subdivision design.

Key Topics:

- Carlson RoadNet basics and setup
- Drawing and orienting centerlines
- Templates, profiles and intersections
- Cul-de-sac design and troubleshooting
- Lot and pad elevation automation

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This session was presented by Travis Maxwell on 07/20/2022.

Introduction to LotNet in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Create LotNet Subdivision Layouts

This webinar introduces Carlson Software's LotNet module, demonstrating how to create, edit and manage subdivision layouts efficiently. Travis Maxwell walks through practical examples, showing how to set up boundaries, roads and lots and how to troubleshoot common issues.

Key Topics:

- Overview and setup of LotNet in Carlson Software
- Creating and editing subdivision layouts
- Integrating LotNet with RoadNet and SiteNet
- Troubleshooting and customization tips

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This session was presented by Travis Maxwell on 07/08/2022.

Introduction to Carlson Software – Settings, Setup, Configuration & Points

A Virtual Webinar Using Carlson Software – Learn to Configure Setup and Manage Points

This webinar introduces new and intermediate users to Carlson Software's CAD environment, focusing on setup, configuration and point management. Presenter Travis Maxwell demonstrates essential CAD commands, toolbar customization and layer management to help users optimize their Carlson workflows.

Key Topics:

- CAD basics and command shortcuts
- Installation prerequisites and admin setup
- Toolbars, layers and properties management
- Using snaps, polylines and blocks
- Tool palettes and workflow customization

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This session was presented by Travis Maxwell on 11/03/2022.