2021 Virtual Workshops Session #2-2: Intro to Carlson Software

A Virtual Workshop Using Carlson Software – Learn Configuration, Templates and Project Setup

This virtual workshop session introduces participants to Carlson Software, covering setup, configuration and point management within IntelliCAD. It explains default settings, project folder organization, templates and best practices for integrating Carlson with AutoCAD and Civil 3D workflows.

Key Topics:

- Carlson Software interface and module overview
- Default configuration and project/data folder setup
- Managing settings, templates and builds
- Working with points, surfaces and coordinate files
- Importing Civil 3D data and LandXML files

Descriptions, transcripts and other details of this recording ha ve been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 12/02/2021.

2021 Virtual Workshops Session #2-1 Very Basic Introduction to CAD for Carlson Users

A Virtual Workshop Using CAD – Learn Basic CAD Commands for Carlson Users

This Carlson Software virtual workshop explores configuration, templates and project setup, demonstrating core tools and settings that help surveyors and CAD professionals develop reliable project workflows. The session covers versions and updates, carlson configure, project data folders and practical checks that support consistent model and drawing output.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

Key Topics:

- Versions and Updates
- Carlson Configure
- Project Data Folders
- File Management

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This session was presented by Jennifer DiBona on 12/02/2021.

2021 Virtual Workshops Session #1-6: Tips & Tricks in Carlson Software and Wrap Up

A Virtual Workshop Using Carlson Software – Learn Custom Linetypes, Plot Styles and Dimensions

This 2021 Virtual CAD Workshop session, led by Jennifer DiBona of That CAD Girl, focuses on practical CAD fundamentals including line types, line weights and dimension styles in AutoCAD and Carlson Software. The session provides detailed demonstrations, explanations of key settings and best practices for achieving consistent, professional-quality drawings.

Key Topics:

- Understanding and controlling line type display (LTscale, PLineGen, PSLTscale)
- Creating and editing custom line types with text
- Managing line weights and CTB plot styles
- Setting up and scaling dimension styles effectively

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

2021 Virtual Workshops Session #1-5: Tips & Tricks in Carlson Survey

A Virtual Workshop Using Carlson Software – Learn Tips and Tricks in Survey

This Carlson Software virtual workshop, led by Doug Aaberg, provided advanced tips and tricks for Carlson Survey users, focusing on configuration management, field-to-finish workflows and CAD efficiency tools. The session covered settings migration, annotation management, field text automation, grid-to-ground scaling and practical drafting shortcuts for survey professionals.

Key Topics:

- Carlson Settings Server and configuration management
- Field-to-Finish setup and standardization
- Annotative text, field text and title block automation
- Grid-to-ground and rotation angle tools
- Drafting productivity commands and bug discussions

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This session was presented by Doug Aaberg on 12/01/2021.

2021 Virtual Workshops Session #1-4: Tips & Tricks in Carlson Civil & Hydrology

A Virtual Workshop Using Carlson Software – Learn Hydrology and RoadNet Tips

This virtual workshop session, led by Mark Long from Carlson Software, explores advanced design workflows in Carlson Civil, focusing on RoadNet, hydrology and utility network tools. Attendees learned practical tips for roadway design, intersection grading, sewer and stormwater modeling and creating custom structures for efficient civil engineering design.

Key Topics:

- RoadNet advanced features and intersection control
- Grading, pad elevation and contour management
- Sewer and storm drainage network design
- Utility network setup and waterline crossings
- Custom structure and inlet creation

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This session was presented by Mark Long on 12/01/2021.

2021 Virtual Workshops Session #1-2 Tips & Tricks for Standardizing Carlson Software with IntelliCAD

A Virtual Workshop Using Carlson Software – Learn CAD Standards, Blocks and Tool Palettes

This session from That CAD Girl's 2021 Virtual Workshops features Travis Maxwell presenting advanced Carlson Software and IntelliCAD techniques for establishing and maintaining CAD standards. The webinar covers fonts, line types, blocks, symbol libraries and tool palettes to streamline drafting workflows and ensure consistent, efficient project delivery.

Key Topics:

- Managing fonts, line types and CAD standards in Carlson So ftware
- Creating and scaling custom blocks and symbols
- Setting up shared symbol libraries and tool palettes
- Troubleshooting IntelliCAD compatibility issues
- Implementing company-wide CAD standards and workflows

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This session was presented by Travis Maxwell on 12/01/2021.

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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ve been AI-generated and may contain errors.

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

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

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)

Descriptions, transcripts and other details of this recording ha ve been AI-generated and may contain errors.

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.