

# 2023 Virtual Workshops – Session #3 - 3>br>Recorded 11/29/2023

This workshop session, led by Carlson Software's Doug Aaberg, provides an in-depth overview of the GIS and Point Cloud capabilities in Carlson Survey. The presentation demonstrates how to integrate GIS data with field-to-finish workflows, manage attribute data, and import/export shape files for practical surveying and mapping applications.

## Key Topics:

- Carlson GIS module setup and usage
- Field-to-finish integration with GIS attributes
- CRDB vs. CRD coordinate file formats
- Importing and labeling Esri shape files
- Using Serve PC for field data collection
- Managing line labels, monuments, and attribute-based symbology

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

This session was presented by Doug Aaberg on 11/29/2023.

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# 2023 Virtual Workshop –

# Session #3-2

## Recorded 11/29/23

This 2023 Carlson Software virtual workshop, led by Scott Griffin, provides an in-depth demonstration of new and enhanced features in Carlson 2024. The session covers Lot Network, Road Network, Sheet Production, Profile Capture, and Parking Network tools, showcasing practical workflows for surveyors, engineers, and CAD designers.

### Key Topics:

- Lot Network setup and dynamic lot editing
- Road Network design and intersection handling
- Sheet production and profile management
- New Profile Capture command
- Parking Network and 3D design tools

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This session was presented by Scott Griffin on 11/29/2023.

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# 2023 Virtual Workshops – Session #3-1

# Recorded 11/29/2023

This virtual workshop, led by Scott Griffin and hosted by Jennifer, provided an in-depth overview of Carlson Software's 2024 updates and practical demonstrations of key CAD and surveying tools. Topics included drawing cleanup, Google Earth integration, PDF import, BIM handling, field-to-finish workflows, and point cloud processing.

## Key Topics:

- Drawing cleanup and data preparation
- Google Earth and GIS imagery integration
- PDF import and vectorization using CADnet
- BIM and IFC/Revit file handling
- Field-to-Finish enhancements for trees, pipes, and labeling
- Point cloud processing and AI-based feature extraction

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This session was presented by Scott Griffin on 11/29/2023.

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# 2023 Virtual Workshops Point Clouds, P3D, CPC, etc, Recorded 10/11/23

This internal Carlson Software virtual workshop focused on the Carlson Photo Capture (CPC) and Point Clouds 3D modules,

comparing standalone versus cloud processing, hardware requirements, and workflows for drone data. The session also covered product positioning, AI-based feature extraction, and internal coordination on hydrology and engineering modules.

### **Key Topics:**

- Carlson Photo Capture standalone vs. web-based tiers
- Hardware specs and performance considerations
- Point Cloud Advanced features and AI extraction tools
- Drone data processing workflow (images, GCPs, LAS export)
- Internal engineering and personnel updates

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This session was presented by Scott Griffin and Jennifer DiBona on 10/11/2023.

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# **Web Feature Services with Carlson GIS Recorded 5/24/2023**

This webinar, hosted by That CAD Girl and presented by Travis, provides a detailed walkthrough of using web feature services (WFS) and web map services (WMS) within Carlson GIS. It demonstrates how to access, import, and manage GIS data layers such as FEMA flood maps, USGS topo maps, wetlands, and soils data to create accurate base maps for civil and survey projects.

## Key Topics:

- Accessing and importing web feature and map services in Carlson GIS
- Integrating USGS, FEMA, wetlands, and soils data layers
- Setting coordinate projections and verifying grid alignment
- Using shape files and QGIS for supplemental GIS workflows
- Creating tool palettes for efficient project setup

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*This session was presented by Travis Maxwell on 05/24/2023.*

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# Fast Track to CAD and Carlson Software – Session #2-3 Recorded 3/30/2023

This training session from *That CAD Girl's* “Fast Track to CAD and Carlson” series demonstrates how to create and manage Carlson projects, import and edit points, configure templates, and set up paper space layouts for plotting. The instructor provides detailed, hands-on instruction for both new and experienced users to streamline CAD workflows and maintain data integrity.

## Key Topics:

- Creating new drawings and CRD (coordinate) files
- Importing and managing survey points
- Configuring text styles, templates, and point display settings
- Editing and protecting point data
- Using paper space, viewports, and plotting techniques

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This session was presented by Jennifer DiBona on 03/30/2023.

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# **Fast Track to CAD and Carlson Software – Session #2-2 Recorded 3/30/2023**

This training session continues the *Fast Track to CAD and Carlson* series, guiding new users through Carlson Software fundamentals. It focuses on managing text styles and scales, creating and customizing drawing templates, and understanding Carlson points and layer libraries.

## **Key Topics:**

- Carlson text sizing and scaling
- Template creation and National CAD Standard layers
- Carlson points, attributes, and layer management
- Using layer libraries for standardization

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This session was presented by Jennifer DiBona on 03/30/2023.

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# **Fast Track to CAD and Carlson Software – Session #2-1 Recorded 3/30/2023**

This training session, led by That CAD Girl, provides an in-depth introduction to getting started with Carlson Civil Suite 2023 within IntelliCAD. The session covers setup, configuration, data management, and best practices for using Carlson software effectively in CAD environments.

## **Key Topics:**

- Carlson Software setup and configuration
- Understanding CAD vs. Carlson environments
- Managing data, templates, and settings files
- Project folder structures and linking data
- Using Carlson Configure for default settings

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This session was presented by Jennifer DiBona on 03/30/2023.

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# Fast Track to CAD and Carlson Software – Session #1-3

## Recorded 3/28/2023

This training session from *That CAD Girl's Fast Track to CAD and Carlson* series provides a detailed walkthrough of CAD layer management, entity properties, and drawing organization using AutoCAD and IntelliCAD. Participants learn how to create, modify, and manage layers, apply properties, use Carlson's enhanced layer tools, and work with blocks and external references.

### Key Topics:

- Understanding and managing CAD layers
- Layer properties: color, line type, and line weight
- Layer states: on/off, freeze/thaw, lock/unlock
- Carlson Layer Tools and IntelliCAD Explorer
- Blocks, symbols, and external references (Xrefs)

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This session was presented by Jennifer DiBona on 03/28/2023.

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# Fast Track to CAD and Carlson Software – Session #1-2

# Recorded 03/28/2023

This training session from *That CAD Girl* provides an in-depth introduction to CAD drafting fundamentals using IntelliCAD and Carlson software. It covers drawing and editing commands, precision drafting tools, object snaps, selection methods, and text creation for survey and design workflows.

## Key Topics:

- Drawing and editing entities (lines, circles, arcs)
- Object snaps (Osnaps/Esnaps) and precision drafting
- Selection methods and modify commands
- Fillet, trim, extend, and grip editing
- Polylines, explode/join, and text creation (single-line and multi-line)

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This session was presented by Jennifer DiBona on 03/28/2023.