2023 Virtual Workshop: Session #4-4 Overview of Carlson CADnet, SiteNet & Takeoff

A Virtual Workshop Using Carlson Takeoff – Calculate Site Volumes and Verify Surfaces

This Carlson Software virtual workshop demonstrates how to import PDF plans into CADnet, distinguish raster and vector content, merge images, calibrate plan scales and digitize contours, pads and spot elevations. It then explains how to clean engineering drawings for SiteNet, organize existing and proposed features, configure layer targets and define takeoff quantities and subgrade materials.

Key Topics:

- CADnet PDF import, image processing and raster-to-vector limitations
- Plan image merging, scale calibration and digitizing
- Working-drawing cleanup for estimating and model development
- SiteNet target layers, surface eligibility and TRG settings

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

This session was presented by Jennifer DiBona on 12/06/2023.

Tips & Tricks in Carlson Software

A Virtual Webinar Using Carlson Software – Learn CAD Efficiency Tips

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, covered advanced tips and tricks in Carlson Software, focusing on text management, drawing cleanup, workspace customization and grading workflows. The session demonstrated practical commands and methods to improve efficiency and accuracy in daily CAD operations.

Key Topics:

- Carlson Software text and MText management
- Drawing cleanup and Overkill command usage
- Creating and customizing workspaces and menus
- Swale design using 3D polylines and Pad Template tools

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

This session was presented by Travis Maxwell on 10/12/2023.

2023 Virtual Workshop: Session #4-3 Overview of Carlson CADnet, SiteNet & Takeoff

A Virtual Workshop Using Carlson Takeoff – Prepare Drawings for Site Quantities

This virtual Carlson Software workshop demonstrates advanced SiteNet workflows for calculating material and dirt quantities, managing topsoil removal and replacement and performing drawing cleanup and 2D-to-3D data conversion. The session provides practical guidance for preparing accurate takeoff models and cleaning complex CAD drawings for construction and civil design.

Key Topics:

- Carlson SiteNet volume and material reports
- Topsoil removal and replacement setup
- Surface Inspector and Surface Tools
- 2D-to-3D Polyline conversion methods
- Drawing Cleanup and Layer Management
- LandXML export and machine control files

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

This session was presented by Jennifer DiBona on 12/06/2023.

2023 Virtual Workshop: Session #4-2 Overview of Carlson Civil & Hydrology

A Virtual Workshop Using Carlson Hydrology – Design Pipe Networks and Detention Workflows

This virtual workshop, led by Mark Long of Carlson Software, provided an in-depth walkthrough of hydrology and pipe design tools within Carlson Civil and Hydrology modules. The session covered watershed setup, storm drainage design, pipe network creation and profile management for civil engineering projects.

Key Topics:

- Hydrology and watershed layer setup
- Storm drainage and pipe network design
- Surface modeling and volume balancing
- Inlet and structure libraries
- Sewer network settings and profile generation

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

This session was presented by Mark Long on 12/06/2023.

2023 Virtual Workshop: Session #4-1 Overview of Carlson Civil & Hydrology

A Virtual Workshop Using Carlson Civil – Set Up RoadNet and Civil Design Models

This virtual training session, led by Mark Long from Carlson Software, provides an in-depth walkthrough of Carlson Civil's RoadNet module for roadway and site design. The class covers setup, surface modeling, templates, intersections, cul-de-sacs, knuckles and integration with hydrology and grading workflows.

Key Topics:

- Carlson RoadNet setup and configuration
- Creating and managing surfaces, templates and subgrades
- Handling intersections, cul-de-sacs and knuckles
- Layer discipline and hydrology integration
- Template point centerlines and super elevation design

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

This session was presented by Mark Long on 12/06/2023.

2023 Virtual Workshop: Session #3-4 Overview of Carlson Survey, GIS and Point Cloud

A Virtual Workshop Using Carlson Point Cloud – Work with Public LiDAR Data

This Carlson Software virtual workshop, hosted by That CAD Girl, provided an in-depth demonstration of Carlson's Point Cloud module, lidar data integration and survey data processing workflows. The session concluded with updates on coordinate projection changes in 2024 and practical guidance on raw data editing and GPS processing.

Key Topics:

- Point Cloud module setup and lidar data workflows
- Creating and refining surface models (TINs)
- Integrating lidar, Google Earth and survey data
- Carlson 2024 projection and datum updates (NAD83 2011)
- Edit Process Raw Data and GPS base point handling
- Upcoming improvements in Carlson Serve PC, Serve Net and GNSS tools

Descriptions, transcripts and other details of this recording

have been AI-generated and may contain errors.

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

2023 Virtual Workshops: Session #3-3 Overview of Carlson Survey, GIS and Point Cloud

A Virtual Workshop Using Carlson GIS – Collect Survey Attributes with Field Data

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.

2023 Virtual Workshop: Session #3-2 Overview of Carlson and What's New in Carlson 2024

A Virtual Workshop Using Carlson Civil – Create Lots, Roads, Profiles and Sheets

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

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

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

2023 Virtual Workshops: Session #3-1 Overview of Carlson and What’s New in Carlson 2024

A Virtual Workshop Using Carlson Software – Explore What’s New in Carlson 2024

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

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

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

In-Depth Carlson Takeoff: Session #2-3

A Virtual Classroom Using Carlson Takeoff – Finish Grading and Material Quantities

This advanced Carlson Takeoff training session walks participants through elevating 2D polylines to 3D, creating grading surfaces and performing material quantity takeoffs. The instructor demonstrates step-by-step workflows for building pads, sidewalks, curbs and balancing cut/fill volumes within Carlson Construction Suite.

Key Topics:

- Elevating 2D to 3D polylines using text, points and leaders
- Building pad and sidewalk grading workflows
- Managing layers, offsets and contour cleanup
- Quantity takeoff setup and material reporting
- Balancing cut/fill and generating subgrade surfaces
- Troubleshooting and workflow optimization

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

This session was presented by Jennifer DiBona on 01/26/2023.