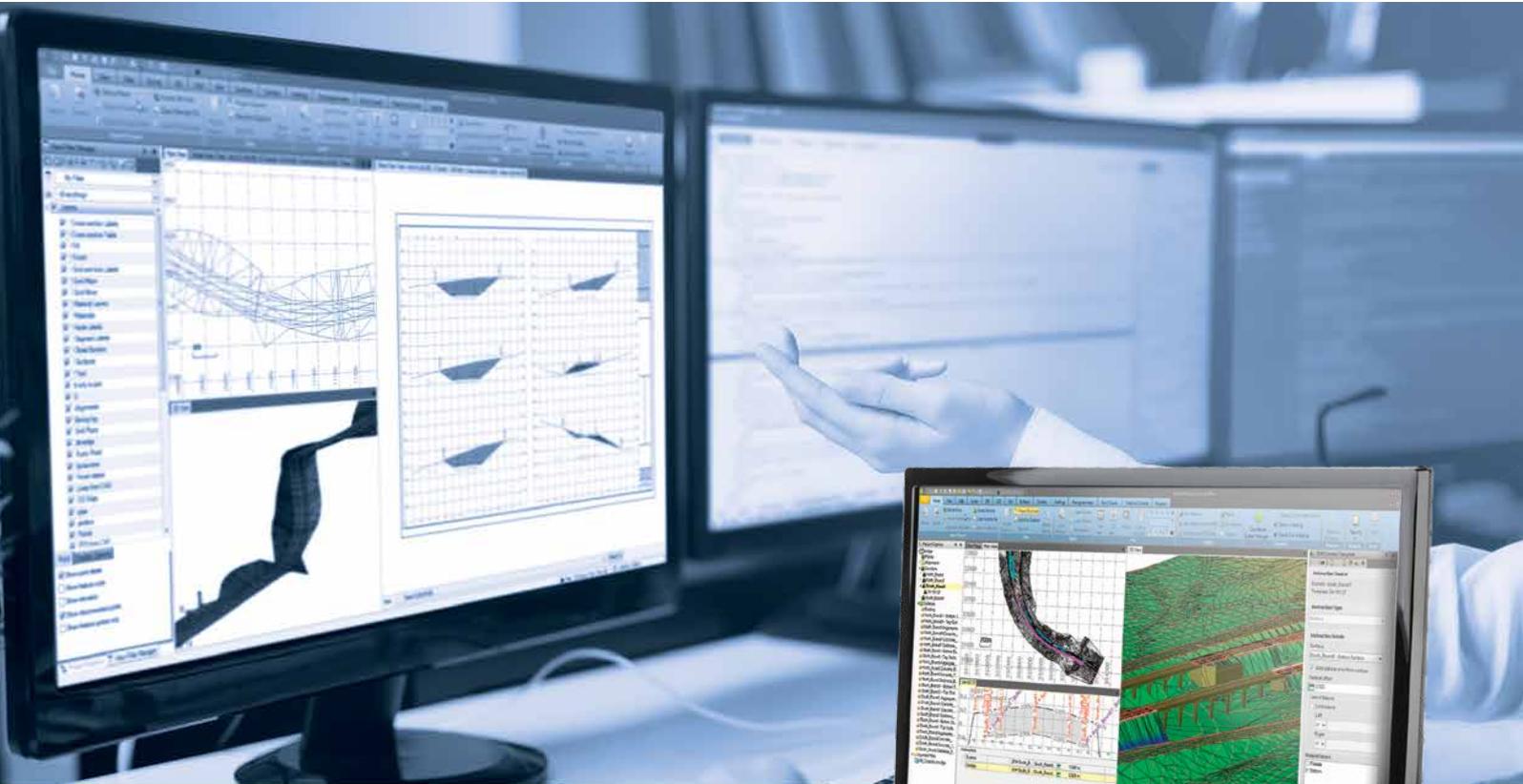
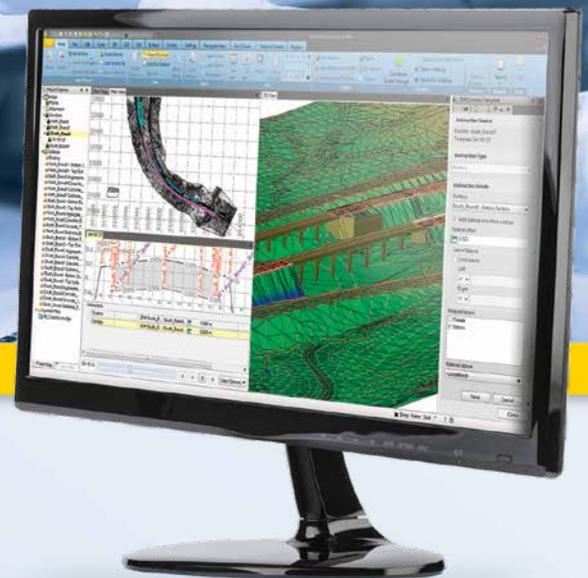




# Spectra Precision Survey Office Software



**Enabling Field to Finish  
Workflows with Confidence**



# Harness the power of geospatial data with Spectra Precision Survey Office (SPSO). SPSO enables you to efficiently edit, process, adjust, and create deliverables with confidence.

## Complete Software Solution

Comprehensive workflows for Survey and GIS professionals to create deliverables from traditional data types or the latest point cloud and imagery data from terrestrial, mobile and aerial sensors. One software does it all: eliminating historically disjointed workflows, supporting the needs and flexibility of multidisciplinary businesses and reducing costs of software purchases and training

## Data Integration

Combine data from GNSS, total stations, and levels to achieve the most accurate horizontal and vertical results. Enhance visualization and data richness with points clouds, imagery, BIM and CAD models as well as PDFs to create the ultimate in complete project deliverables. Market-leading data integration allows users to easily adopt new sensor technology to respond to evolving customer needs.

## Interoperability

Work with, not against, other software packages from Autodesk, Bentley, ESRI, and more with import and export support for a variety of third-party file types. Connect to file geodatabases or Bentley ProjectWise or leverage DigitalGlobe background imagery, all from within SPSO.

## Confidence Inspiring Results

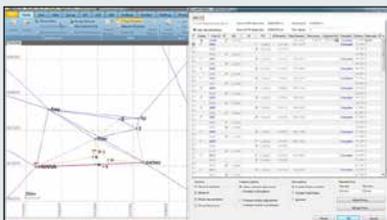
SPSO is loaded with all the necessary tools to control, manage and check your data—ensuring the most accurate and precise results. Don't put up with fragmented data sets or questionable data that cause costly mistakes and jeopardizes your business reputation. SPSO provides the confidence to ensure every project is correct.

## Rich Deliverables

SPSO enables you to deliver a multitude of application based deliverables such as QA reports, surfaces, CAD plans, and complex alignment/corridor designs. Integration with the Trimble Clarity web-based platform offers a new way to collaborate and share your geospatial data with clients and other surveyors alike.

## Supported Workflows

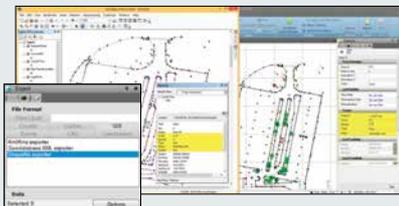
Start in SPSO. Stay in SPSO.



### Control Surveying

Confidently produce reliable control coordinates for your entire survey or construction project

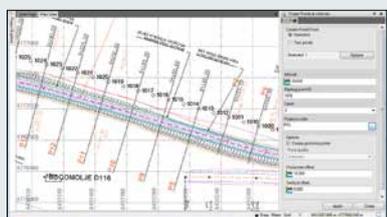
- Create projects with a wide selection of coordinate systems and geoid models
- Review, edit and process GNSS, total station, and leveling observations
- Postprocess static GNSS data with Trimble's HD-GNSS processing engine for more reliable positions
- Adjust traverses and complete networks containing GNSS, total station, and leveling observations



### Field to Finish

Easily create CAD-ready deliverables directly from your survey data

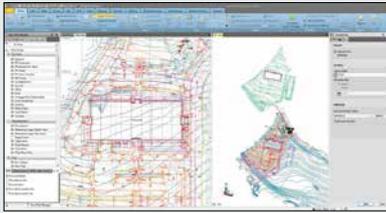
- Import any existing raster and vector data for bidding estimates and project planning
- Process feature codes, compute volumes, and automatically model terrain
- Create surfaces and contours from points and breaklines to accurately model terrain
- Plot and save your survey designs in a variety of CAD and GIS formats



### GIS Feature Collection

Expand the utilization of your survey systems by creating GIS deliverables for your clients

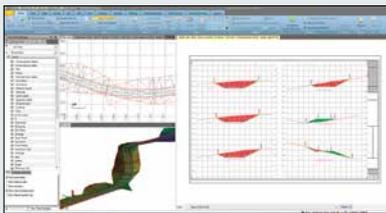
- Create and manage rich feature libraries matching attribute schema, layers and symbology from GIS and CAD
- Process feature codes to automatically create geometry and attributes
- Import and export features to a variety of file formats including ESRI shape files and geodatabase XML files
- Connect directly to the GIS data system of record to extract schema and data enabling efficient GIS operations



## Data Prep

Make sure your data is clean, up-to-date, and delivered in the right format to get the job done

- Import and organize CAD and PDF data
- Rapidly extract and digitize data from vector PDFs
- Elevate 2D contours, points, lines, and polygons into 3D models
- Remove blank text objects, unused layers and styles, and join small gaps in geometry



## Drafting

Produce your final survey and roadway design plots with ease

- Use Dynaviews to efficiently place your model space data into plotting sheets
- Efficiently add dynamic labels, line and curve tables, scale bars, and other map elements
- Automatically plot profiles and crosssections for alignment based surfaces or corridors
- Create 3D PDFs for easy communication and collaboration with project team members and clients



## Terrestrial and Aerial Photogrammetry

Measure and model from Trimble VISION and UAS data with highly automated workflows images in the comfort of your office

- Accurately extract 3D geometry and features from images to create rich CAD and GIS deliverables
- Create high resolution point clouds, orthomosaics and elevation raster DSM and DTMs
- Create accurate 3D terrain models for volumetric computations and design
- Seamlessly integrate UAS deliverables with other survey data types



## Scanning

Efficiently view, manage, and extract data from terrestrial, mobile, and aerial point cloud sensors

- Extract 3D geometry and features from point cloud data to generate accurate CAD geometry
- Create rich deliverables for modeling, surfaces, corridor design
- Create accurate 3D terrain models for volumetric computations, topo maps, or as-built conditions
- Import point cloud data from any source and integrate with your survey data

## Customize SPSO to your workflows

A customizable user interface enhances the SPSO experience. For users who wish to maximize their efficiency, the SPSO ribbon interface makes functions easy to find and understand.

- Add frequently used functions to the quick access toolbar
- Create ribbon tabs with streamlined workflows
- Specify any website as the start page



## Join the SPSO Family Today

Our mission is to serve Survey and GIS professionals with the best solutions possible. We are a team of survey and GIS professionals and understand what it takes to get the job done right. Together with our world class distribution network we are making sure we support your business needs. Starting to use new software can often be intimidating. We offer a variety of helpful materials and a world-class support network to make you productive quickly. Learning new software has never been easier. Take a look at some of our resources below.

## A Spectra Precision Survey Office Edition Matched to your Business Requirements



A comprehensive and scalable toolset for every workflow

- **Base Edition:** Supports quality-check workflows, network adjustment, feature code processing, COGO, CAD, reporting and L1 GPS processing
- **Intermediate Edition:** All of the features of the SPSO Base Edition plus site calibration, full GNSS processing, surfaces, volumetrics, more advanced CAD, and point cloud tools
- **Advanced Edition:** All of the features of the Intermediate Edition plus more-automated CAD, corridor/alignment design, plotting, cadastral workflows, integration with Trimble Clarity and support for Trimble VISION terrestrial photogrammetry.
- **Aerial Photogrammetry Module:** Data processing and deliverable production for Trimble UAS utilizing UAS Master integrated workflow.
- **Advanced Drafting Module:** Simplified, highly-automated plotting of survey data including sectional views as well as cadastral workflows with parcel and legal description generation
- **Data Prep Module:** Existing drawing cleanup and conversion of 2D drawings into actionable 3D models
- **GIS Module:** Seamless connection to geodatabases to integrate high-accuracy survey operations with GIS
- **Scanning Module:** Powerful tools to manage, view, and extract quality deliverables from any type of point cloud sensor

## System Recommendations

### Operating system

- Microsoft Windows® 7 (64-bit version)
- Microsoft Windows 8 (64-bit version)
- Microsoft Windows 10 (64-bit version)

### Processor

- Recommended:
  - Intel® Pentium® Dual-Core E2160 (1.80 GHz, 1 MB L2 Cache, 800 FSB) or better
- Recommended for Aerial Photogrammetry and Scanning Module:
  - Quad-Core 2.8 GHz (Intel i7-860 2.8 GHz) or better

### Random Access Memory (RAM)

- Minimum:
  - 2 GB
- Recommended:
  - 8 GB or more
- Recommended for Aerial Photogrammetry and Scanning Module:
  - 32 GB or more

### Hard disk

- Recommended:
  - 5 GB or more
- Recommended for Aerial Photogrammetry and Scanning Module:
  - Solid State 100 GB or more

### Additional

- Graphics:
  - DirectX 9 (or higher) compatible graphics card with 512 MB memory or more. Note: To display point cloud data, graphics card must support Open GL 3.2 or higher
- Monitor:
  - 1280x1024 or higher resolution with 256 or more colors (at 96 DPI)
- I/O Ports:
  - USB 2.0 port

### Supported Languages

- Chinese Simplified
- Danish
- Dutch
- English US
- English UK
- French
- German
- Italian
- Japanese
- Korean
- Portuguese
- Russian
- Spanish
- Swedish

## Contact Information:

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