

# CoProcess

Point Cloud Processing Software for Scan-to-CAD and Terrain Modeling



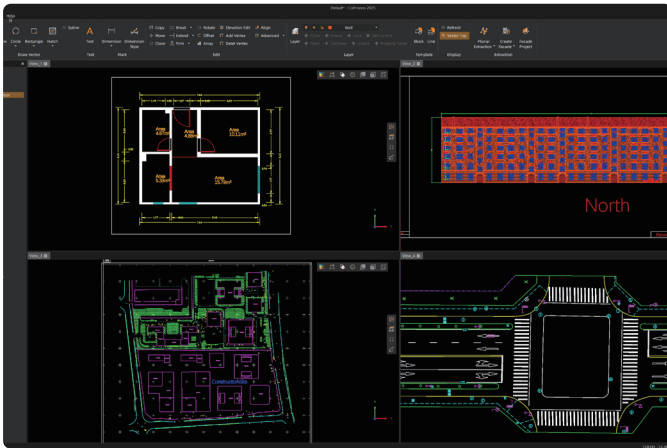
## ► Integrated Point Cloud Processing and Survey Deliverables Platform

CoProcess is a professional point cloud processing software designed to convert large-scale LiDAR datasets into engineering-ready deliverables. It integrates scan-to-CAD drafting, classification, terrain modeling, and volume calculation within a streamline AI-based workflows. Supporting datasets of over 300 GB, CoProcess enables efficient data processing, reduces manual operations, and accelerates the delivery of accurate survey outputs.



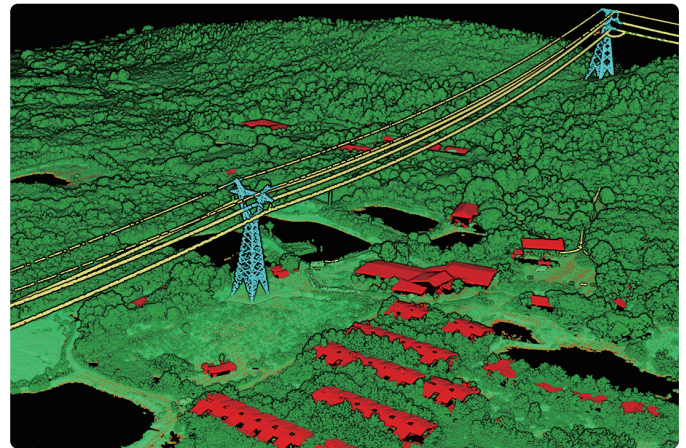
# CoProcess

## ► Main Features



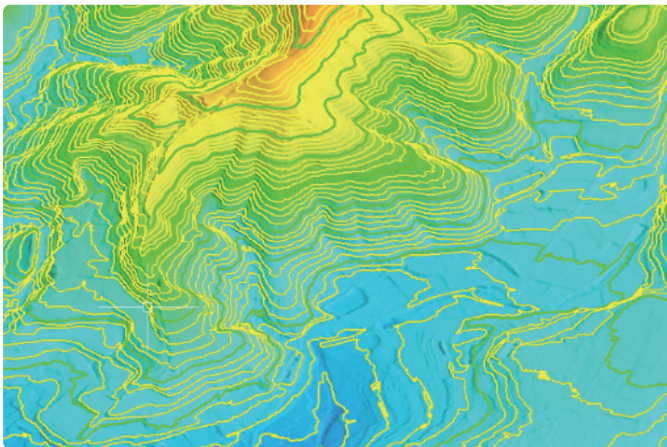
### Scan-to-CAD

Generate 2D and 3D CAD deliverables from point clouds with efficient drafting tools.



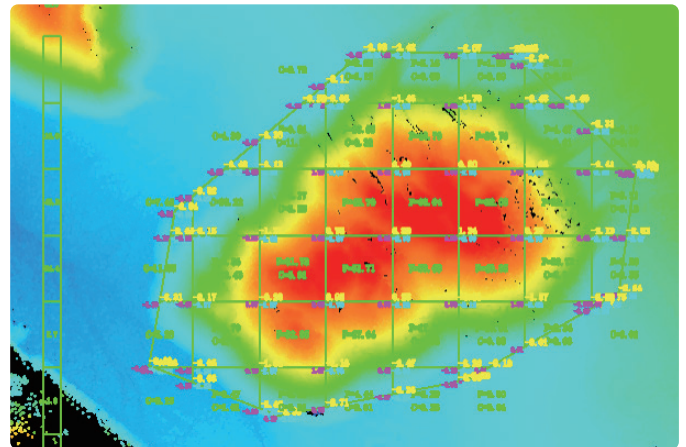
### Classification

Automated classification and editing for structured point cloud data preparation.



### Terrain Surveying

Create DEM, DSM, contours for surveying workflows.



### Volume Calculation

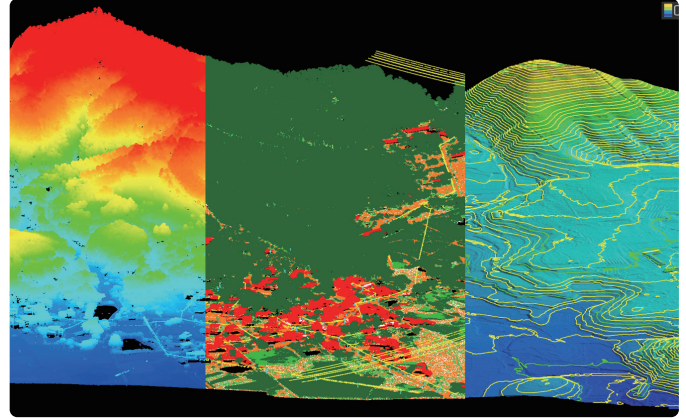
Perform fast and accurate stockpile and earthwork volume calculations, and analyze volume changes over time using multi-temporal point cloud datasets.

## ► Benefits and Performances



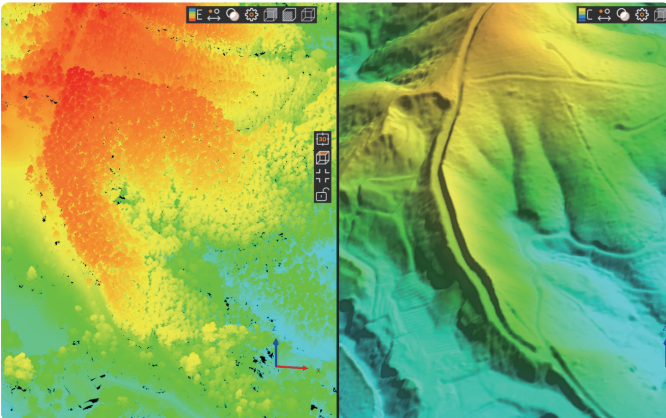
### Process Large Datasets

Designed for large-scale point cloud processing, CoProcess handles datasets exceeding 300 GB in a single workflow. It supports stable rendering and efficient processing of billions of points, enabling users to work with full-resolution data and maintain detail across large projects.



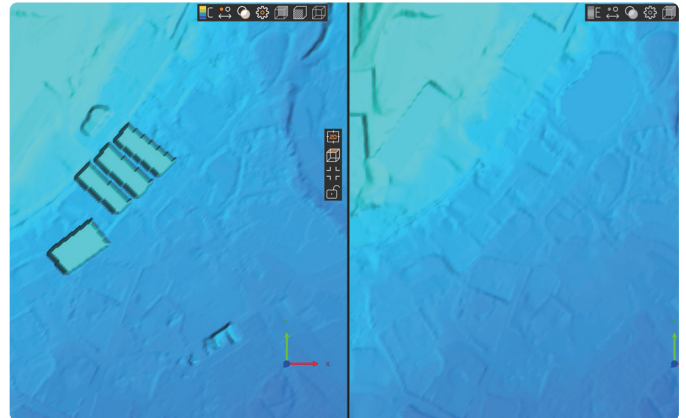
### Simplified Workflows

End-to-end workflows from raw data import to final deliverables reduce the need for multiple software tools. Standardized processing templates and automation minimize manual intervention and improve consistency across projects.



### High Productivity

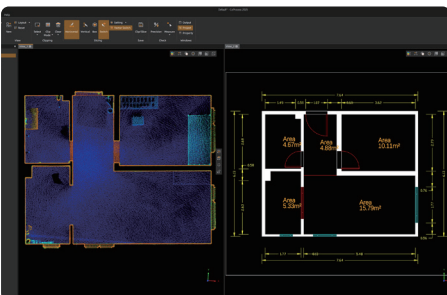
Optimized algorithms accelerate key processes such as classification and terrain generation. CoProcess can complete terrain classification for a 100 GB dataset in 2 hours, reducing processing time, increasing throughput, and enabling faster project delivery.



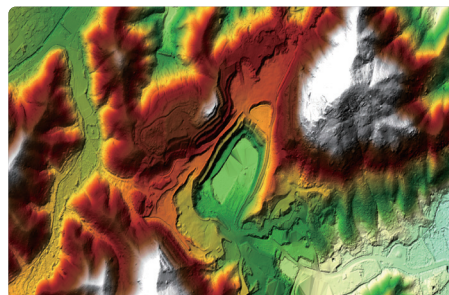
### Survey Deliverables

Deliver accurate and structured outputs, including CAD drawings, terrain models, DEM/DSM products, contours, and volume reports. CoProcess supports survey-grade workflows for construction, infrastructure, terrain mapping, and engineering applications.

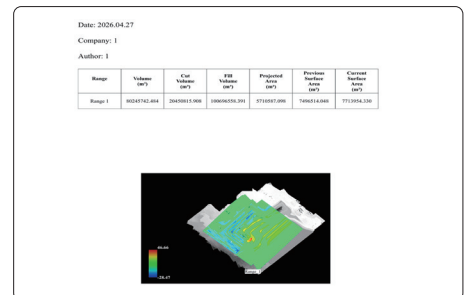
## ► Use Cases



Scan-to-CAD Drafting



Terrain Modeling



Volume Calculation

# SPECIFICATIONS

## ► System Recommendations

Operating system	Microsoft Windows 10,11(64-bit)
Processor	Intel® Core™ i7 (Minimum) Intel® Core™ i9 (Recommended)
RAM	16 GB (Minimum) 32 GB (Recommended)
Graphics card	NVIDIA GeForce GTX 1050 Ti (Minimum) NVIDIA GeForce RTX 3060 (Recommended)
VRAM	4 GB (Minimum) 6 GB (Recommended)
Display	1024 × 768 (Minimum) 1920 × 1280 (Recommended)

## ► Software License

License type	Time limited SW registration code USB dongle driver
SW upgrade	Online version check Manual install package

## ► Supported Language

English
Russian
German
French
Spanish
Japanese
Korean
Chinese

\*Specifications are subject to change without notice.

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