OPK Bundle



OPK Bundle is the latest Menci Software's technology for automatic aerial images triangulation. Software based on a sophisticated algorithm for "Tie Points" research end "Bundle" generation.

Project easy manegement, assisted collimation of "GCP" and "Check Points", advanced results visualization and automatic Report generation are the striking OPK Bundle features.

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Main features and workflow

Import and process images "Tie Points" automatic research Advanced management of the monoscopic collimation Multi-channel images handling: RGB+IR Automatic "Bundle" generation E-mail send at end of process Automatic Report generation Advanced result visualization

- No limits to import and elaboration images
- Import and/or select camera passport
- Coordinate projection editor
 - * Projectum
 - * Datum
 - * Fuse
- Multichannel images handling RGB + IR
- "Tie Points" real time visualizzation
- Automatic text Report generation
- E-mail send to end of process
- Assisted "GCP" monoscopic collimation
- Assisted "Check Points" monoscopic collimation
- "Tie Points", "GCP", "Check Point" and "Foot Print" activate/deactivate visualizzation
- Automatic "Bundle" calculation
- Advanced management of result displayed
- Bundle threshold Set-up

OPK Bundle

New

Select destination folder
Select your passport → Select
Coordinate System → Projection / Datum / Fuse

Images Manager

Images Manager → Add
Import GPS/IMU Data → Browse → SelectAll → Import
Images Manager → Close

Search Tie Points

GCP

GCPs Manager \rightarrow Add Import GCPs \rightarrow Browse \rightarrow Select All \rightarrow Import GCPs Manager \rightarrow Close

GCP Collimation

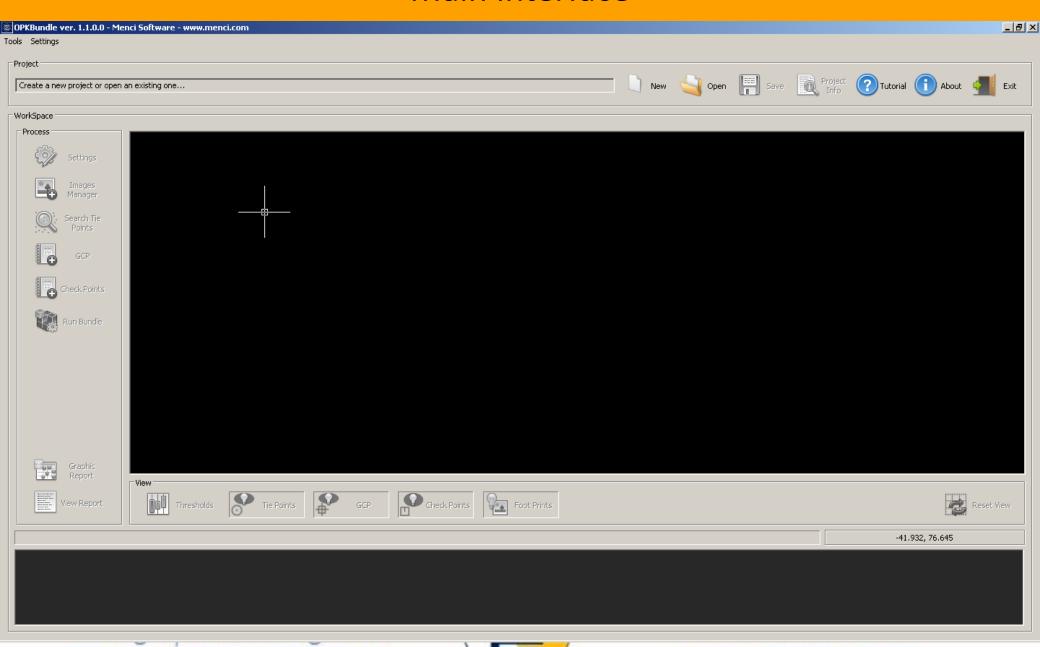
Check Points

 $\begin{array}{c} \text{Check Points Manager} \longrightarrow \text{Add} \\ \text{Import Check Points} \longrightarrow \text{Browse} \longrightarrow \text{Select All} \longrightarrow \text{Import} \\ \text{Check Points Manager} \longrightarrow \text{Close} \end{array}$

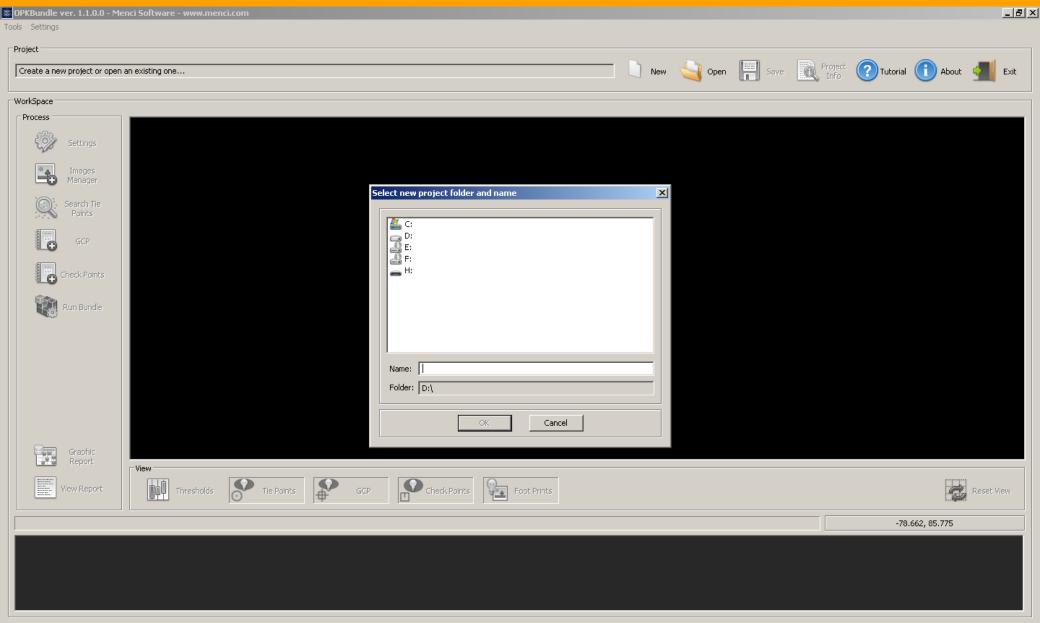
Check Points Collimation

Run Bundle

Main interface

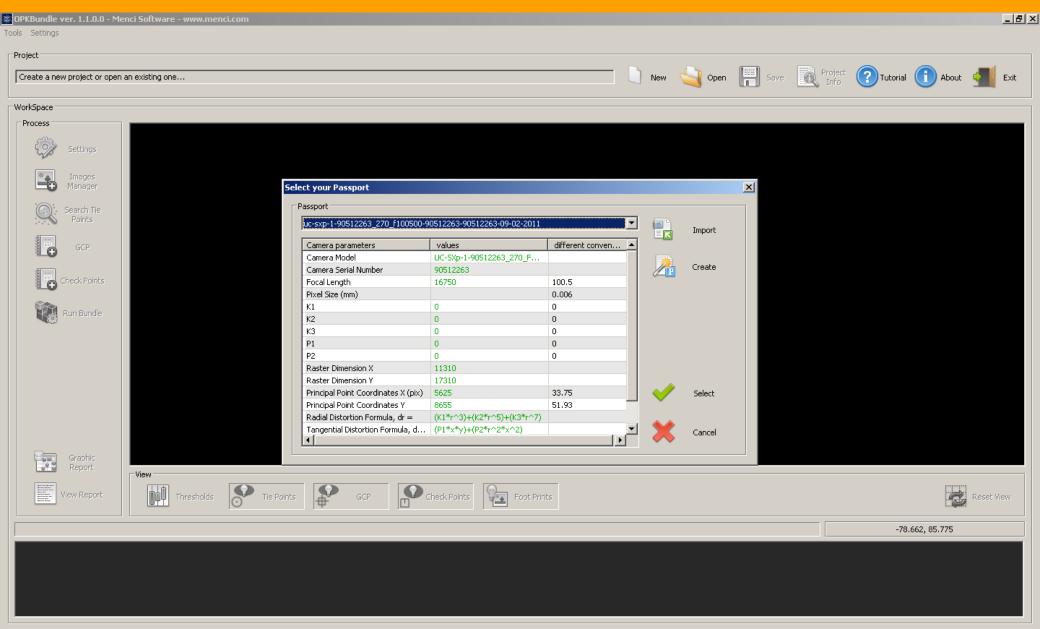


Project destination folder selecting



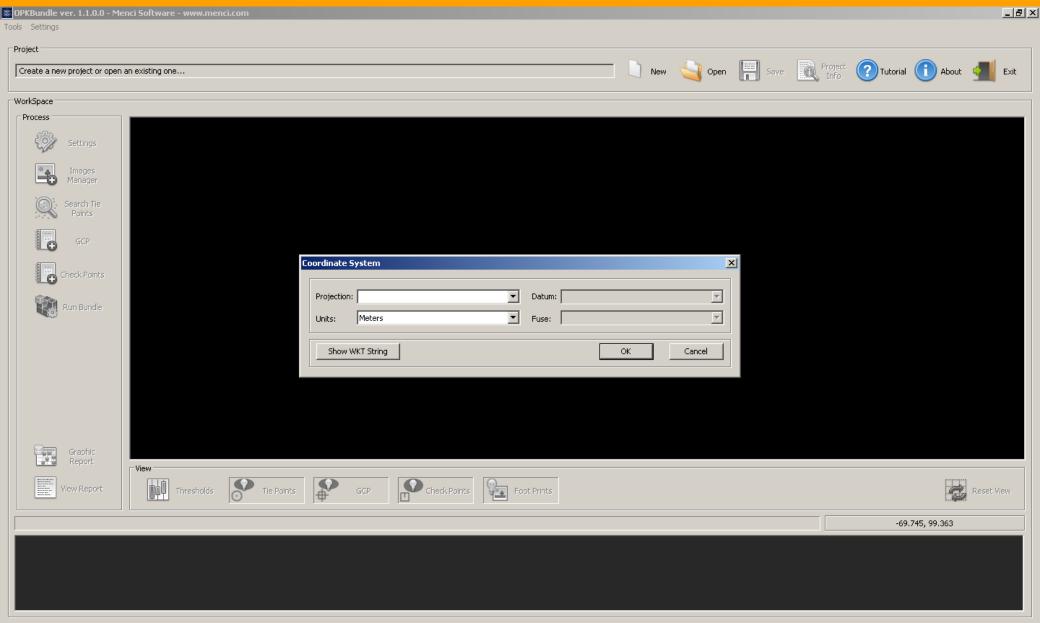


Camera passport importation



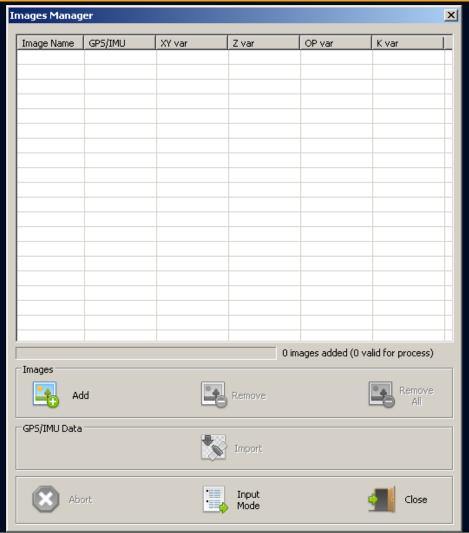


Coordinate system editor





Import images



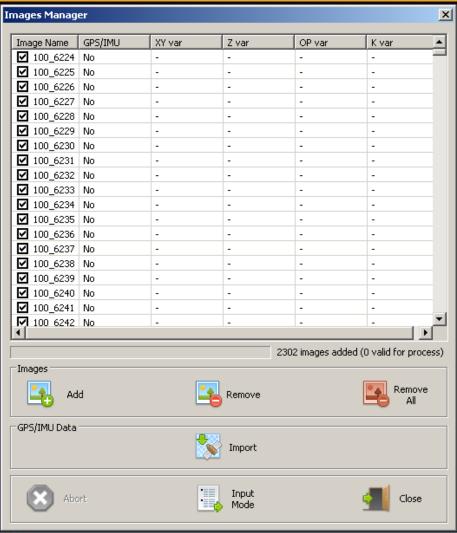


image processing tech



Importation GPS/IMU data

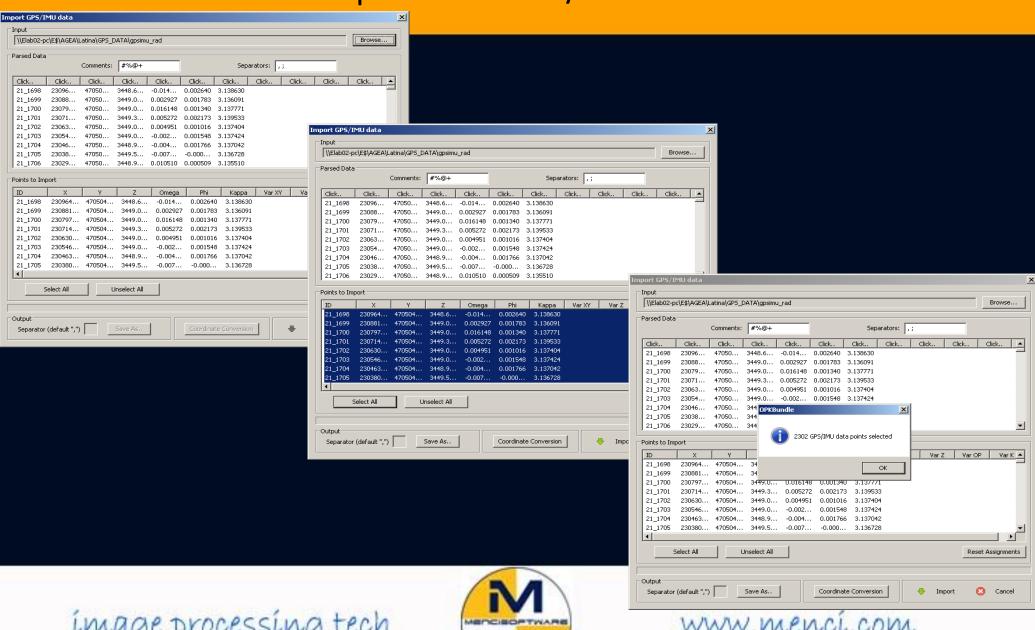


image processing tech



Check GPS/IMU data importation

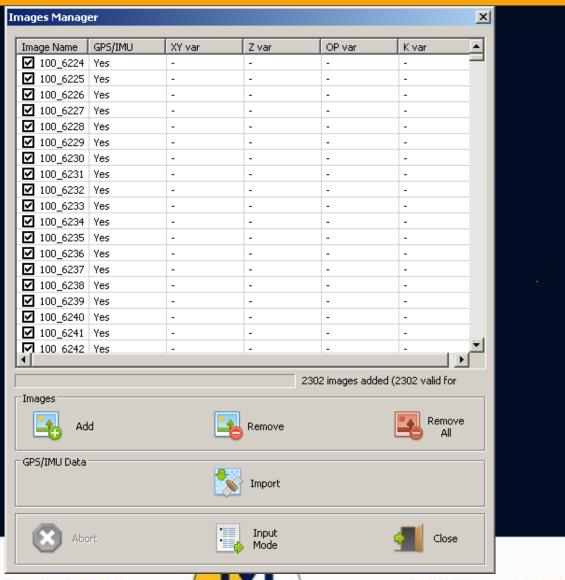


image processing tech



Footprint visualization

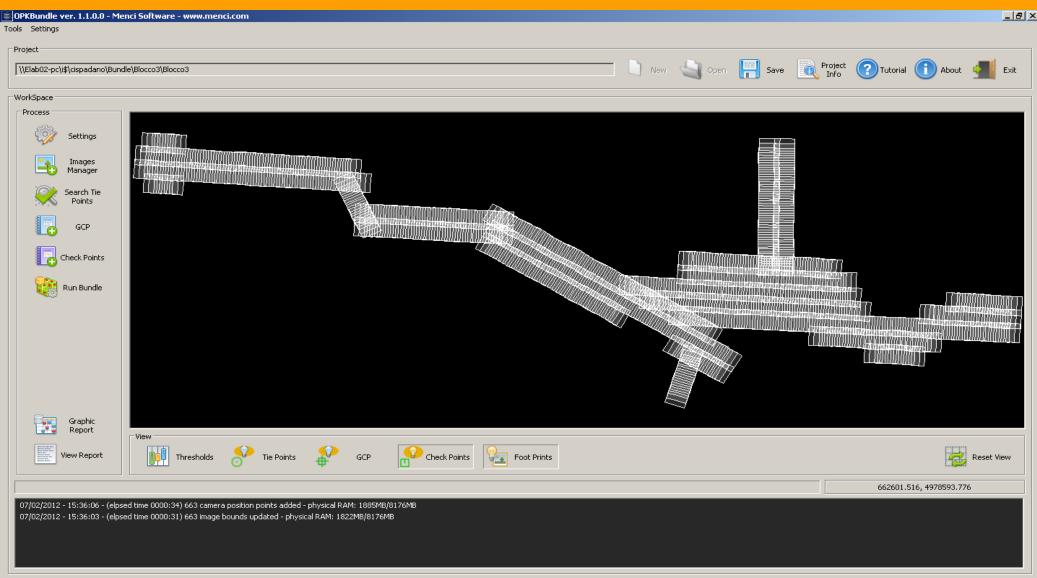
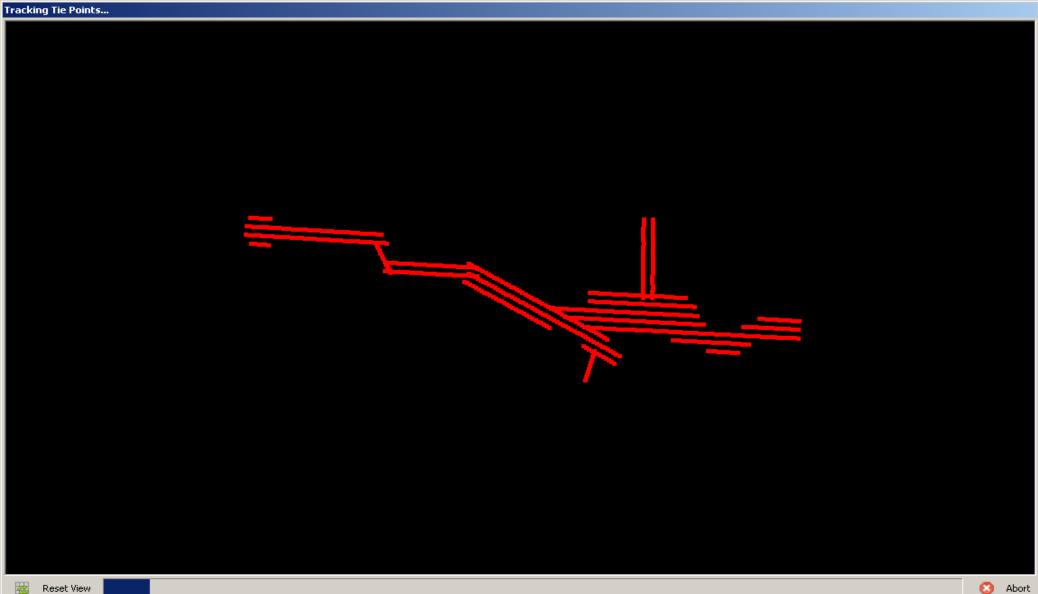


image processing tech

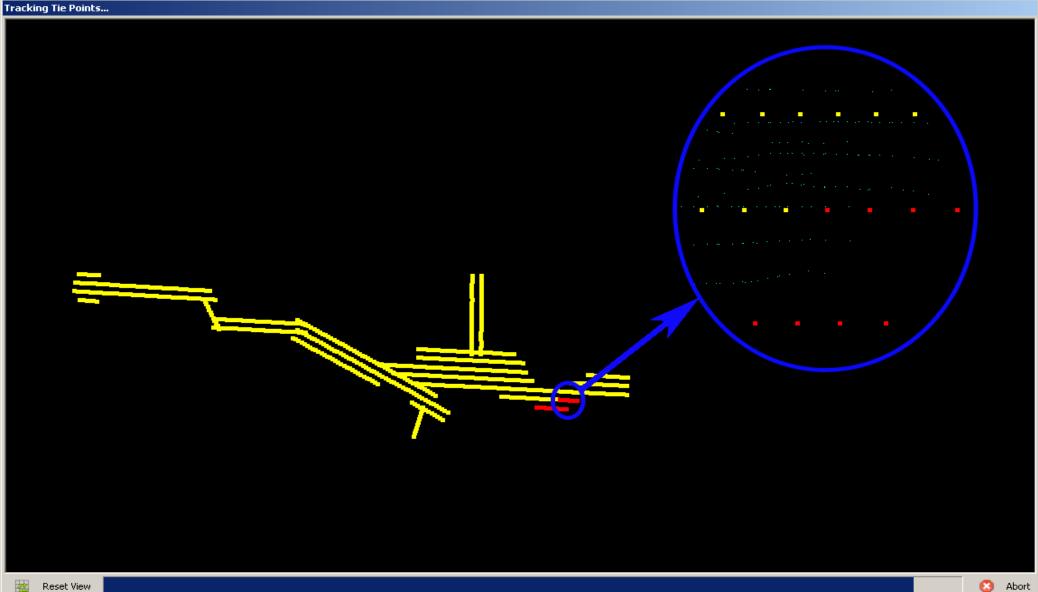


Search Tie Points: progress 1/3

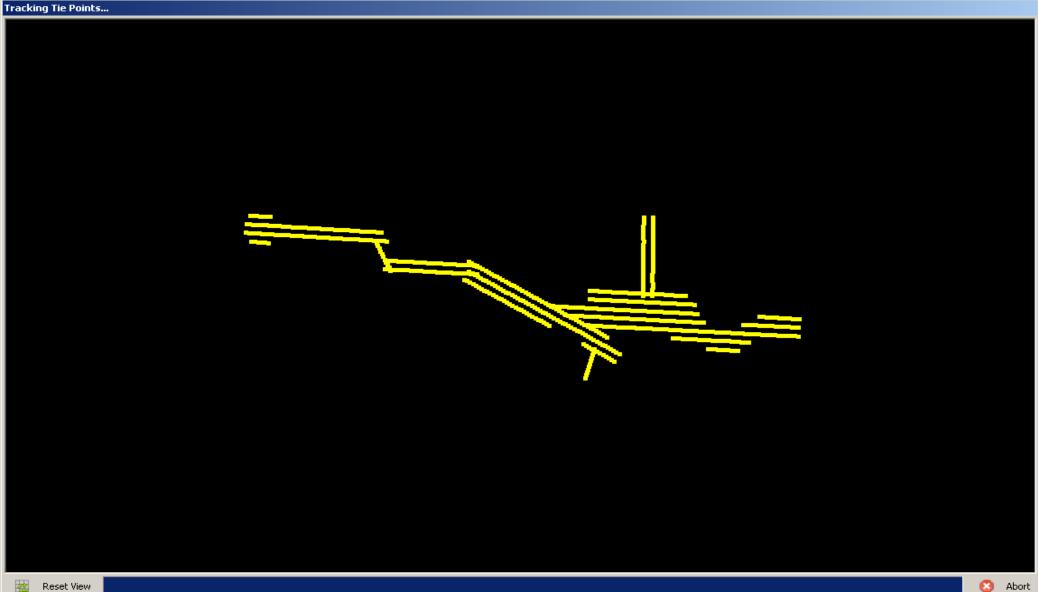




Search Tie Points: progress 2/3



Search Tie Points: progress 3/3





Search Tie Points: end

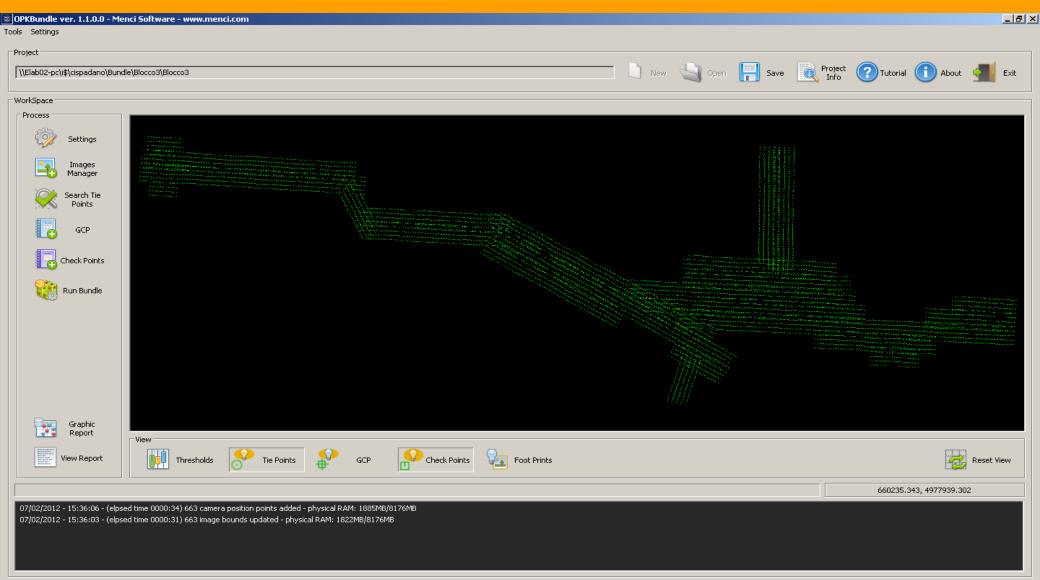
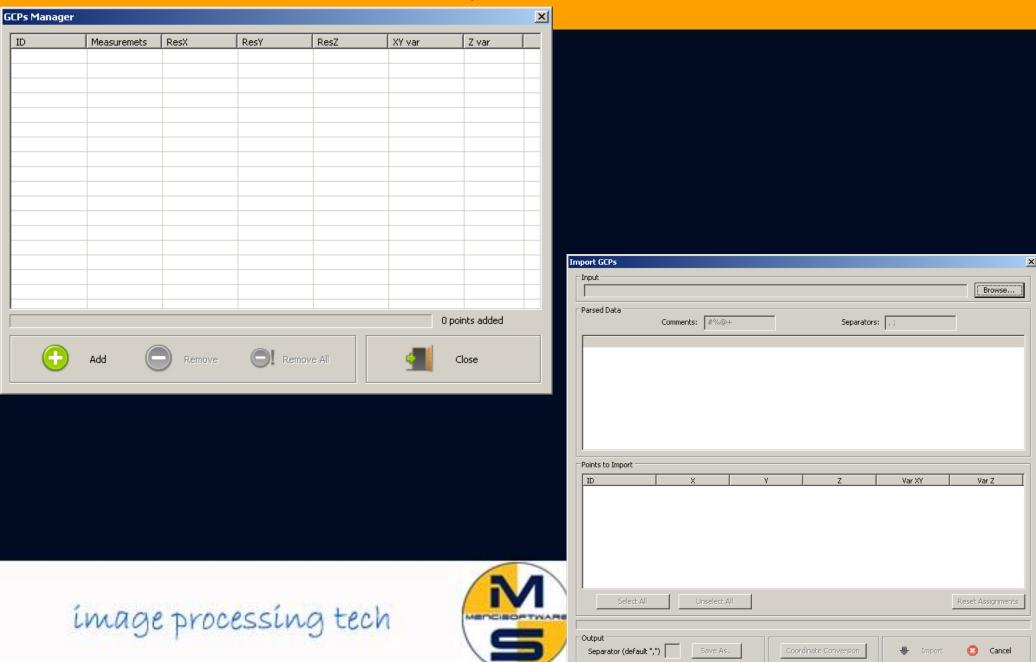


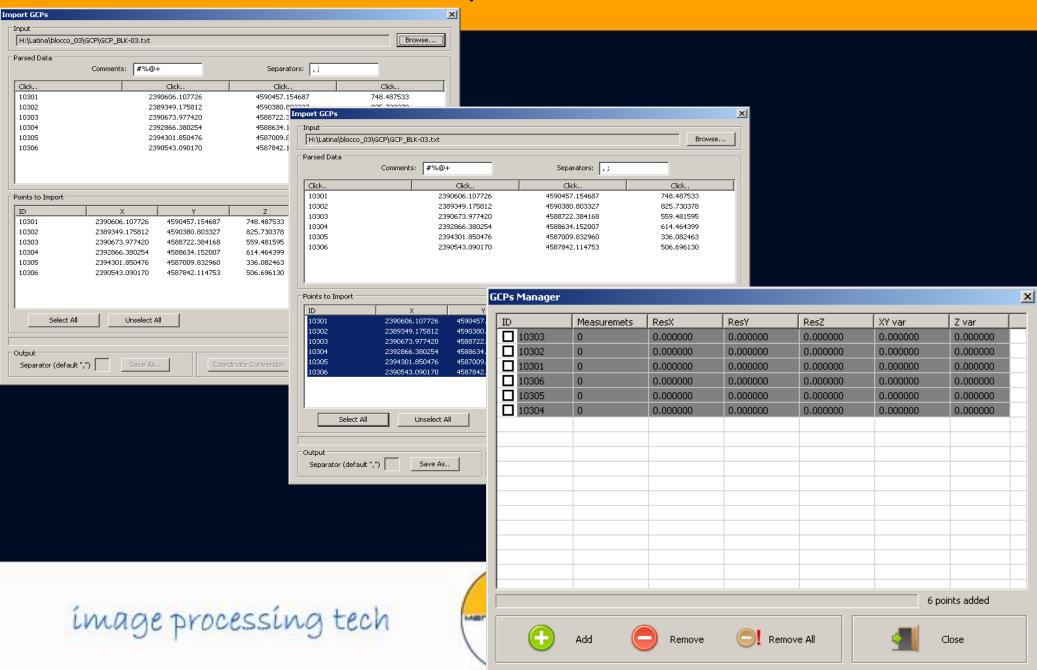
image processing tech



GCP importation: 1/2



GCP importation: 2/2



GCP importation: end

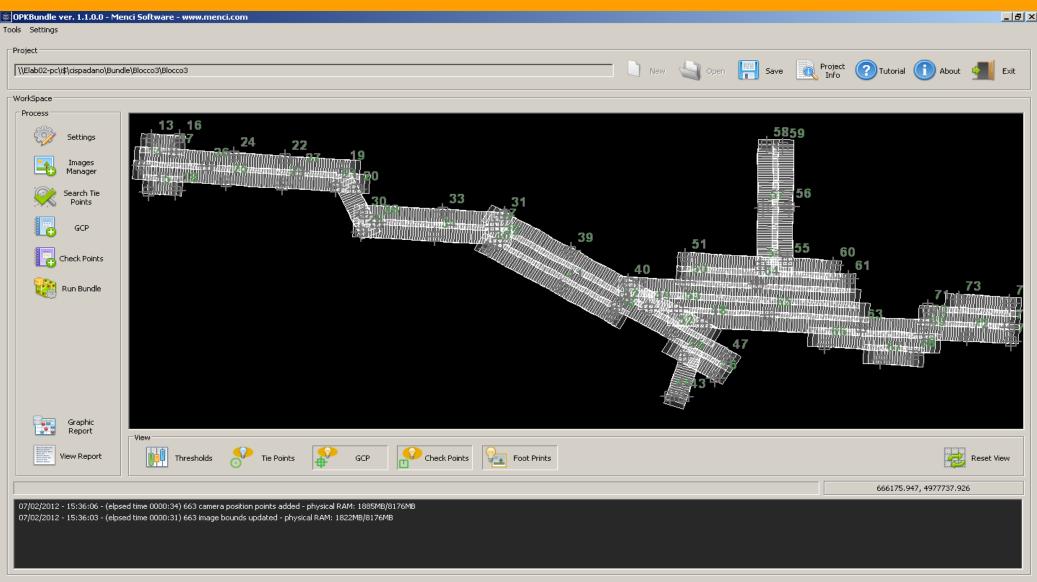


image processing tech



GCP collimation: 1/2



GCP collimation: 2/2



GCP collimation: end

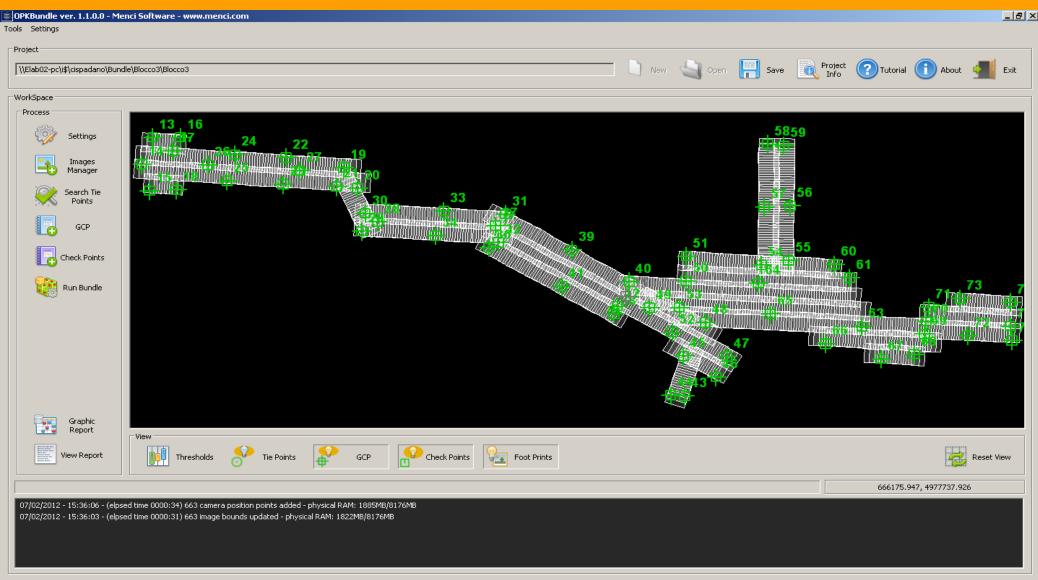


image processing tech



GCP residuals

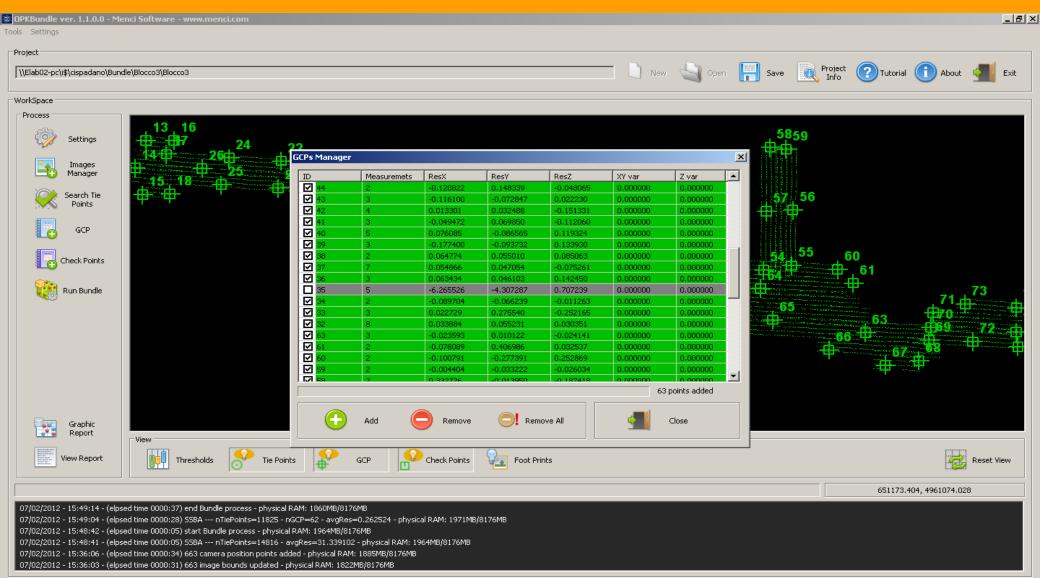


image processing tech



Graphic report visualization: 1/3

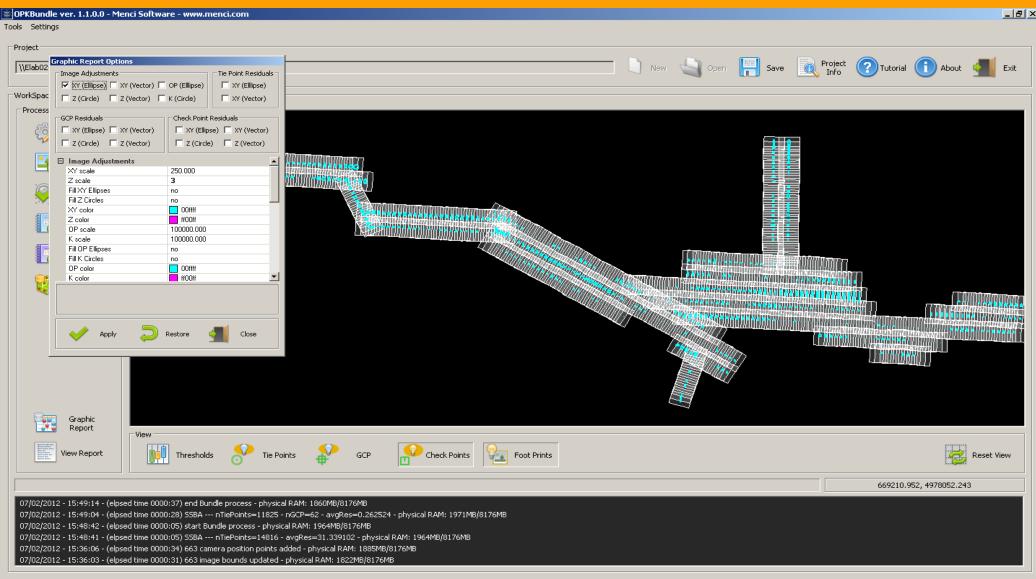


image processing tech



Graphic report visualization: 2/3

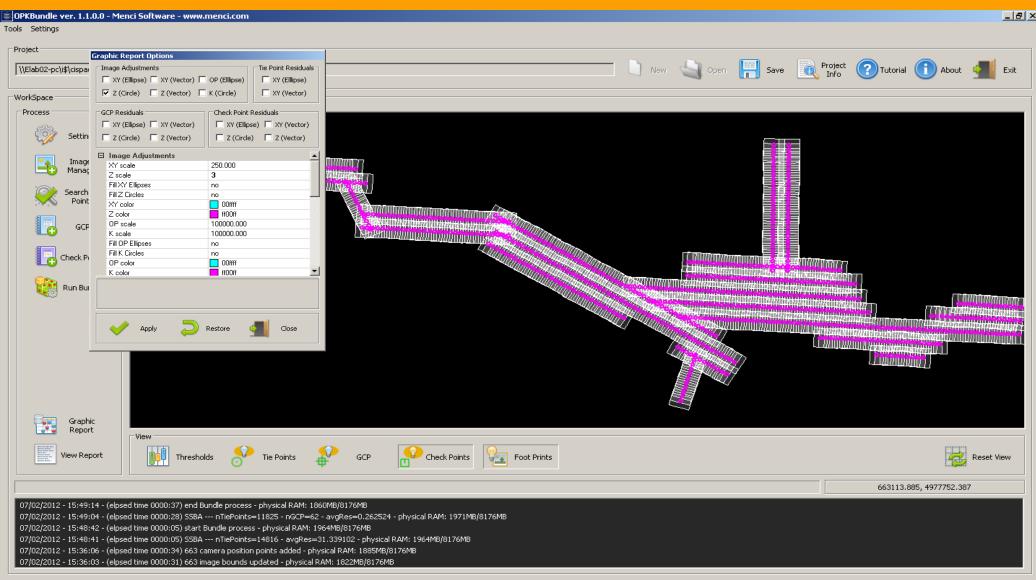


image processing tech



Graphic report visualization: 3/3

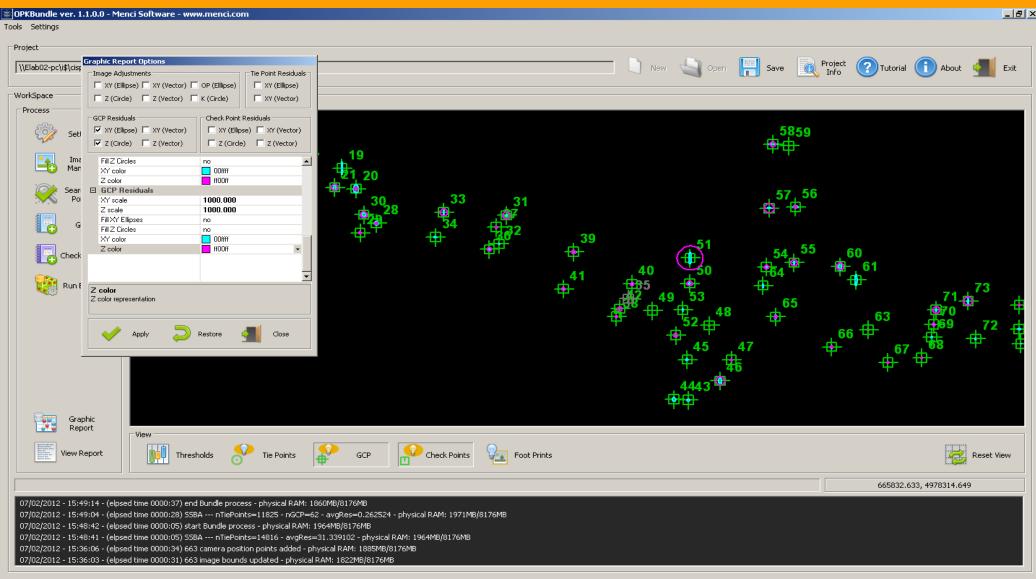


image processing tech



Report

