SuperMap

SuperMap Software Co., Ltd.

Integrated Solution for Oblique Photogrammetry and GIS Platform

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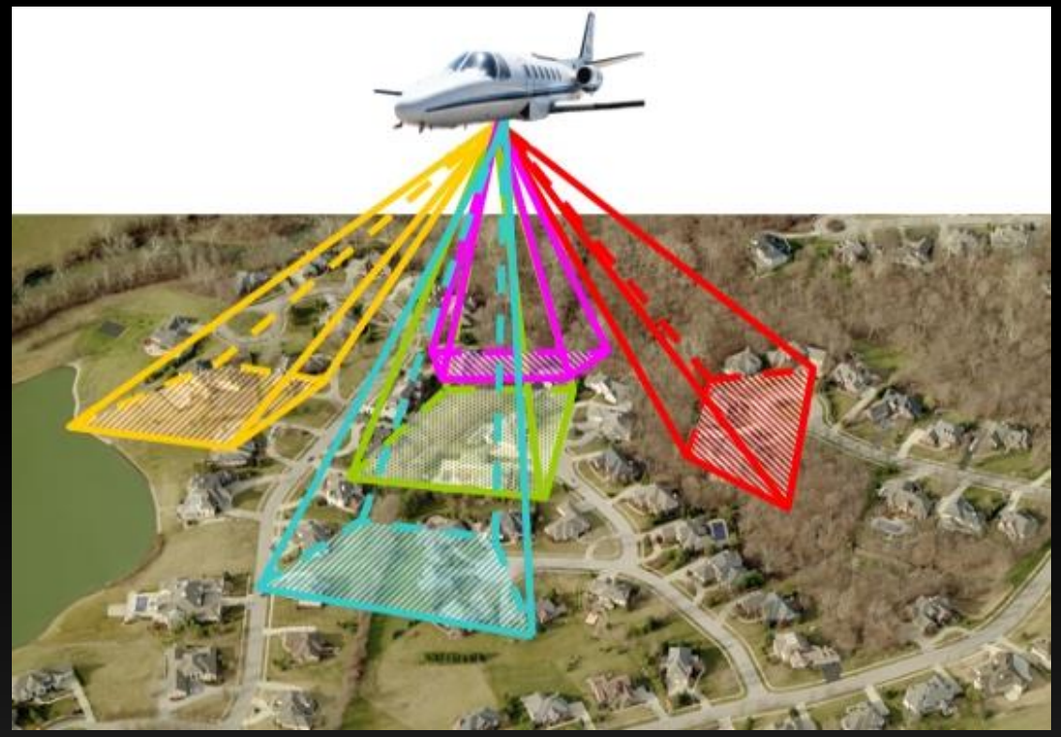
Oblique Photogrammetry Technology Overview

Oblique Photogrammetry Technology

Oblique Photogrammetry is a technology that uses multiple sensors on the same flight platform to capture images from different angles, such as one vertical and four side view angles.



An evolved Photogrammetry technology

Technical Features

- Multi-angle aerial photography with high resolution
- Realistic models with rich information
- Batch modeling increases efficiency and reduces cost

Industry Chain for Oblique Photogrammetry

Aircraft

Oblique cameras

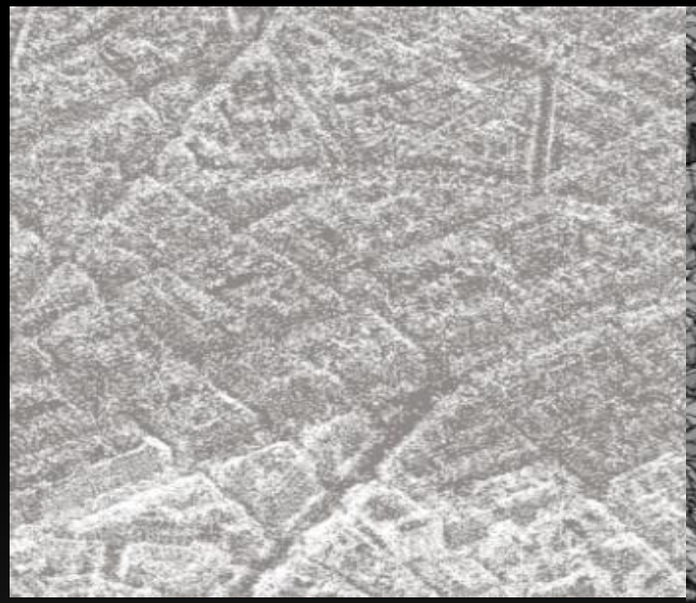
Fly

Modeling and optimization

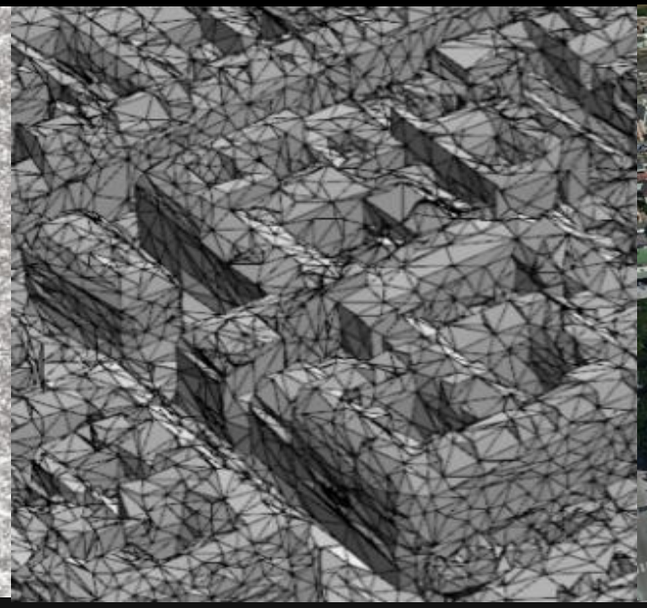
3D GIS platform

Applications

Automated Modeling for Oblique Photogrammetry



Point cloud data



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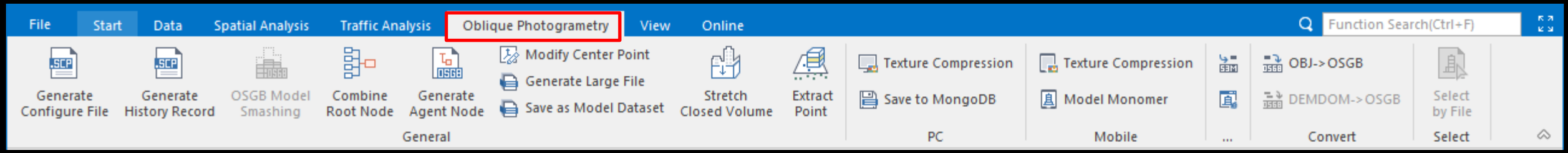
Oblique photogrammetry models

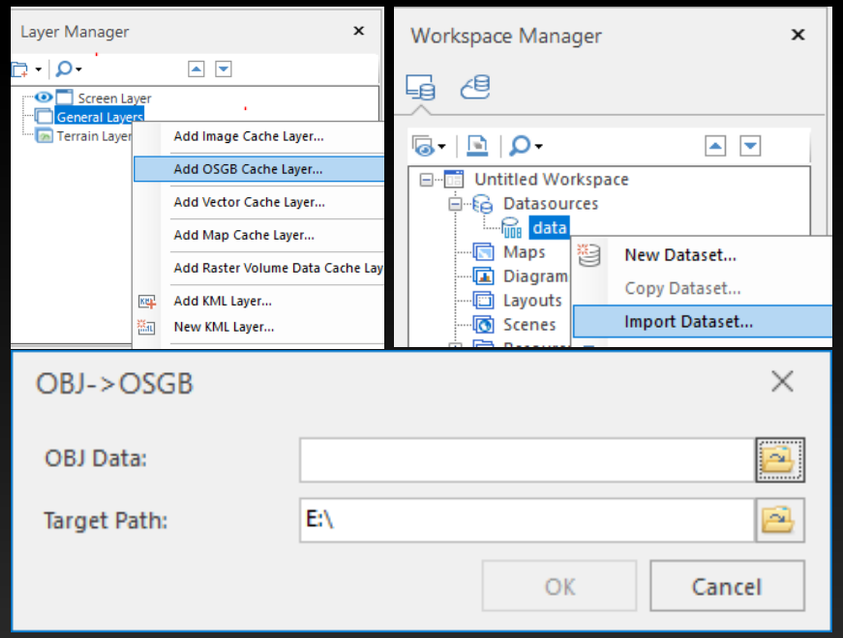
Model Loading & Performance Optimization

Oblique Photogrammetry Toolbox (iDesktop)



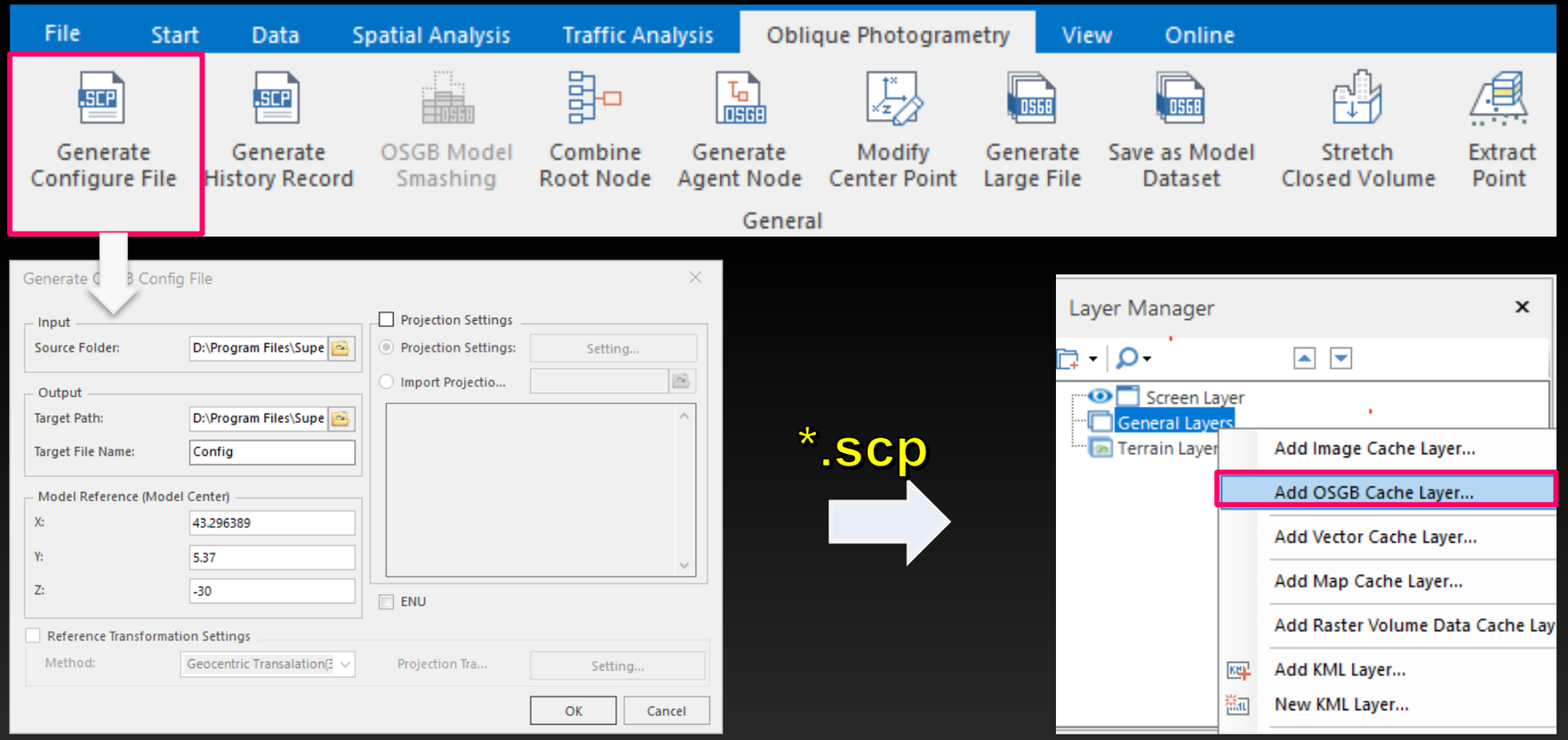
Support of Oblique Photogrammetry Data

- Data integration
  - Support direct loading of OSGB format oblique photogrammetry mdoels
  - Load OBJ format models after converting into OSGB format
  - Import as model datasets through the Import Dataset command



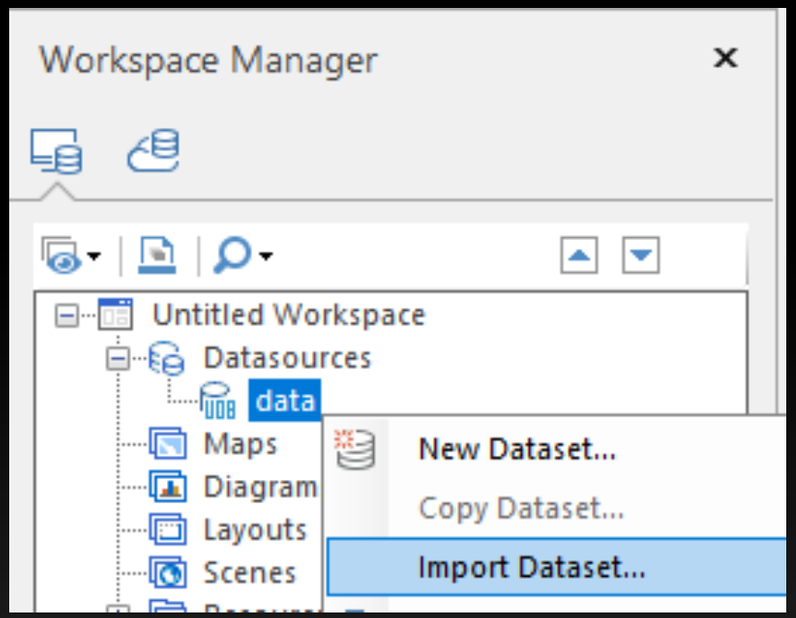
Support of Oblique Photogrammetry Data

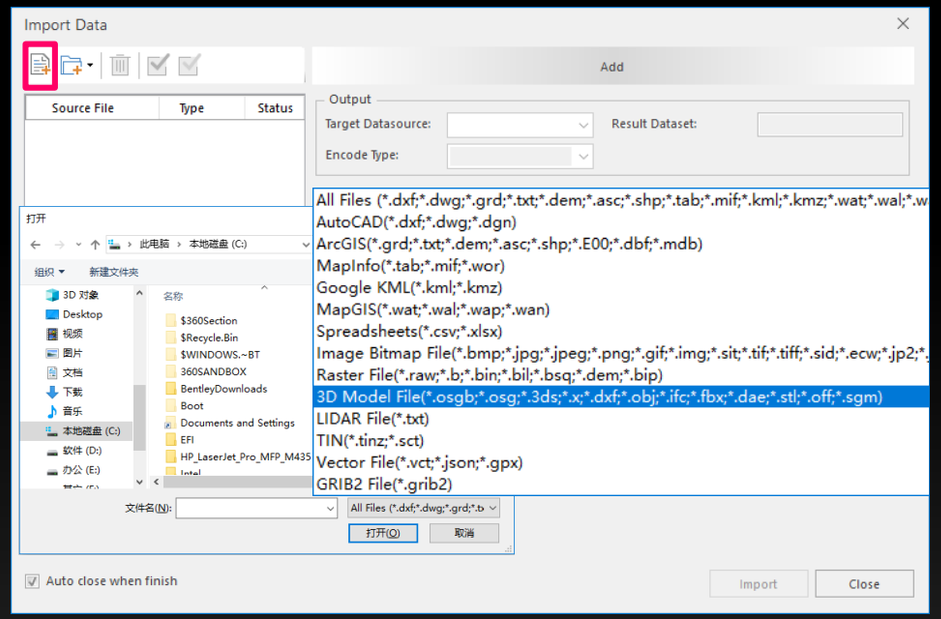
- Generate the configuration file and read models through the configuration file



Support of Oblique Photogrammetry Data

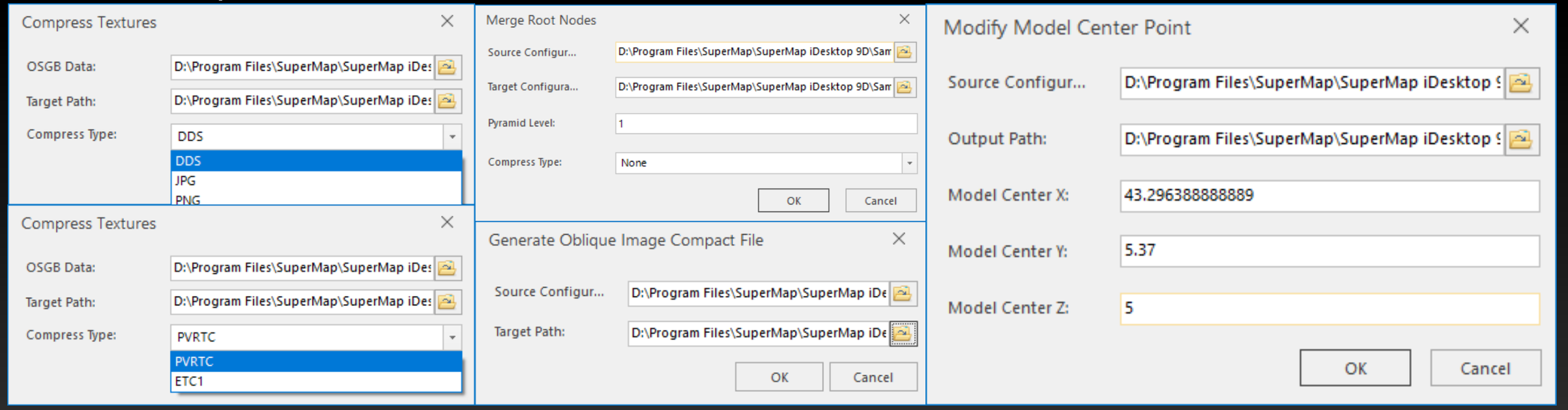
- Import oblique photogrammetry model data as model dataset through the Import Dataset command





Support of Oblique Photogrammetry Data

- **Performance optimization:**
  - Compress Textures helps compress original OSGB data in batch
  - Generate Oblique Image Compact File helps enhance loading and browsing efficiency of models
  - Merge Root Nodes helps generate models of a more coarse LOD level
  - Modify Model Center Point helps merge center points of multiple models into a single center point



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Thank You !