

New Features in TerraMatch

Arttu Soininen
Software developer
Terrasolid Ltd

Tie lines for airborne

- Solve airborne calibration using tie lines
- Match project data using tie lines
- Alternative workflow for surface to surface matching
- Reduces the number of long processing runs

Surface to surface matching workflow

- Classify ground per flightline
- Run **Find Match** to solve HRP+mirror scale for whole data set
- Try different per line solutions:
 - Run **Find Match** to solve dZ per line
 - Run **Find Match** to solve dZ + roll per line
 - ...
- Decide best one and apply

- Each **Find Match** round is using millions or billions of laser points

Tie line workflow

- (Optional) Classify ground per flightline
- Search automatic tie lines
- Find bad tie lines and remove those
- Run **Find Tie Line Match** to solve HRP+mirror scale for whole data set
- Try different per line solutions:
 - Run **Find Tie Line Match** to solve dZ per line
 - Run **Find Tie Line Match** to solve dZ + roll per line
- **Find Tie Line Match** needs to consider only a few thousand observations