

News from Trimble GeoSpatial

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Trimble's New GeoSpatial Division

- **INPHO GmbH**
 - Photogrammetry, airborne LIDAR processing, DTM applications
- **RolleiMetric**
 - Modular digital aerial cameras
- **TopoSys**
 - Aerial LIDAR systems
- **Geo-3D**
 - Mobile mapping systems for road asset management, mobile survey, pavement inspection



Trimble's mission

Enhancing productivity and profitability
through location-based solutions



GNSS and other positioning technologies
Wireless communications
Applications software

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Our Strategy

Solutions that transform work process to significantly impact users' economics and capabilities:

- Labor and machine productivity
- Rework
- Process optimization
- Quality
- Input costs

CONNECTED SITE FOR
CONSTRUCTION



PRECISION
AGRICULTURE

MOBILE & FIELD
WORKER



ADVANCED
DEVICES

Positioning and Direct Georeferencing

Applanix POS AV

Industry leading GNSS-Aided Inertial systems for direct georeferencing of aerial sensor data

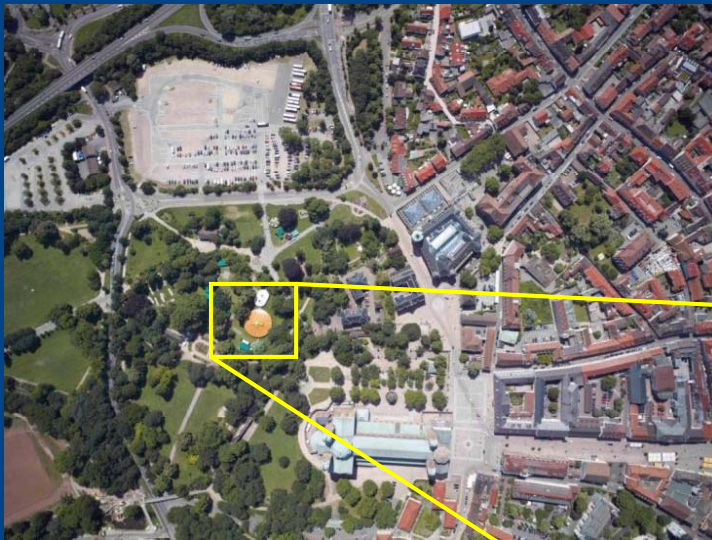


Trimble Aerial Camera configurations

Several camera models based on same camera head



Trimble Aerial Camera - Project Speyer



Images June 2009:
P65 sensor, pixel size 6 μm ;
8 cm GSD

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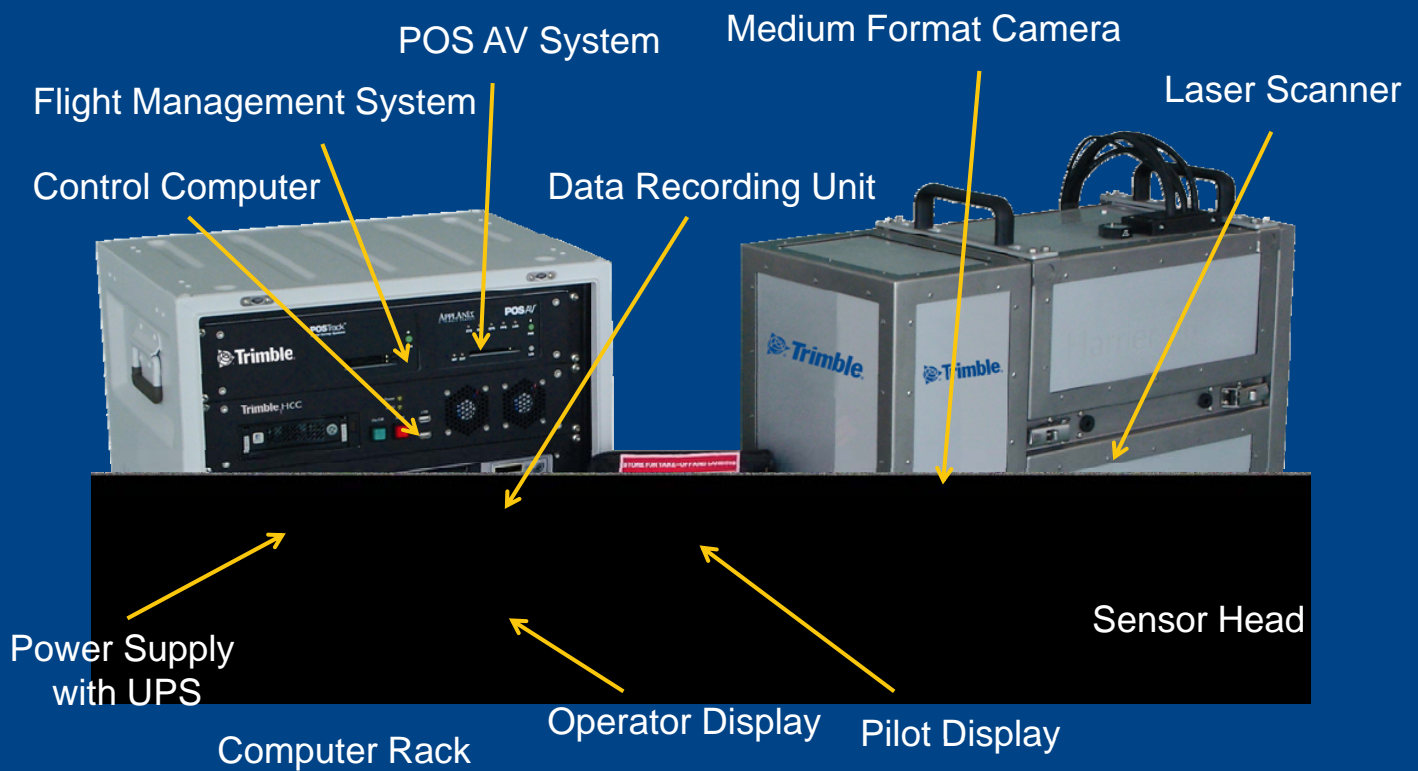
Applanix DSS camera system

- A directly-georeferenced, medium-format imaging solution
- Integrated of:
GNSS/IMU, flight management, metric imaging camera, controller, POS Pac MMS post-processing, RapidOrtho generation software



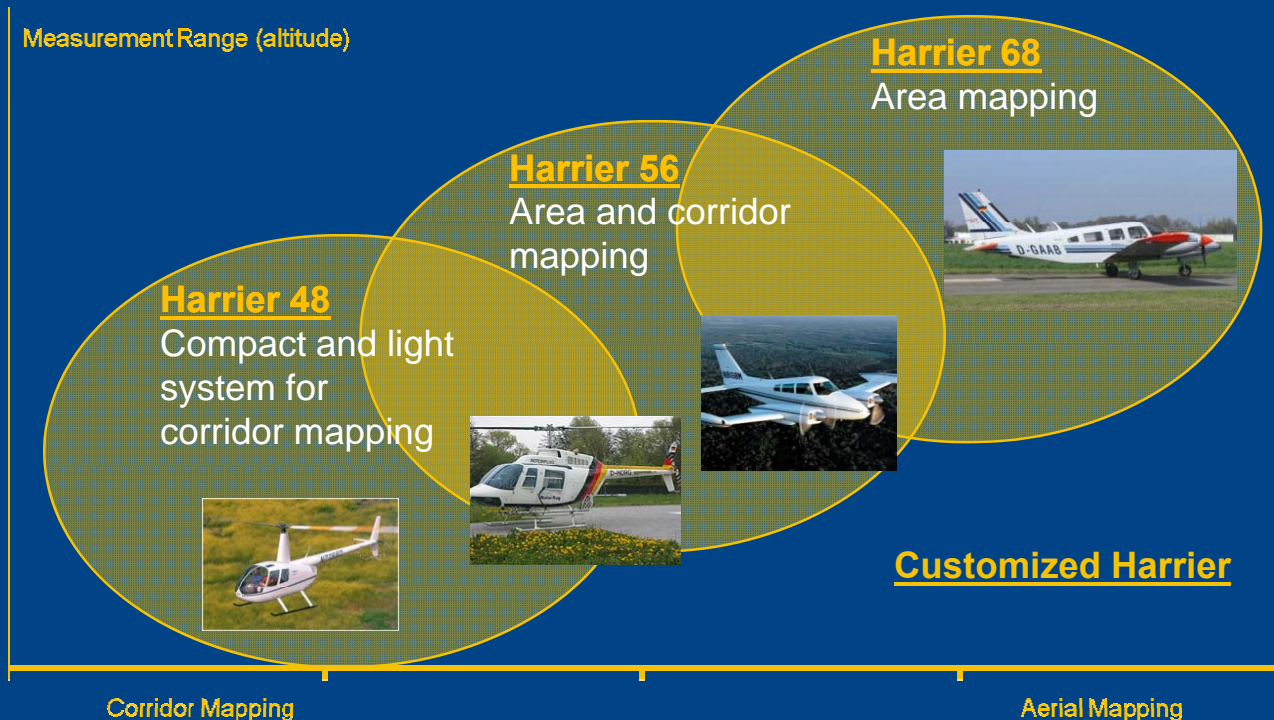
3 cm GSD
Image Courtesy of Tuck Mapping.

Trimble Harrier System



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Trimble Harrier family

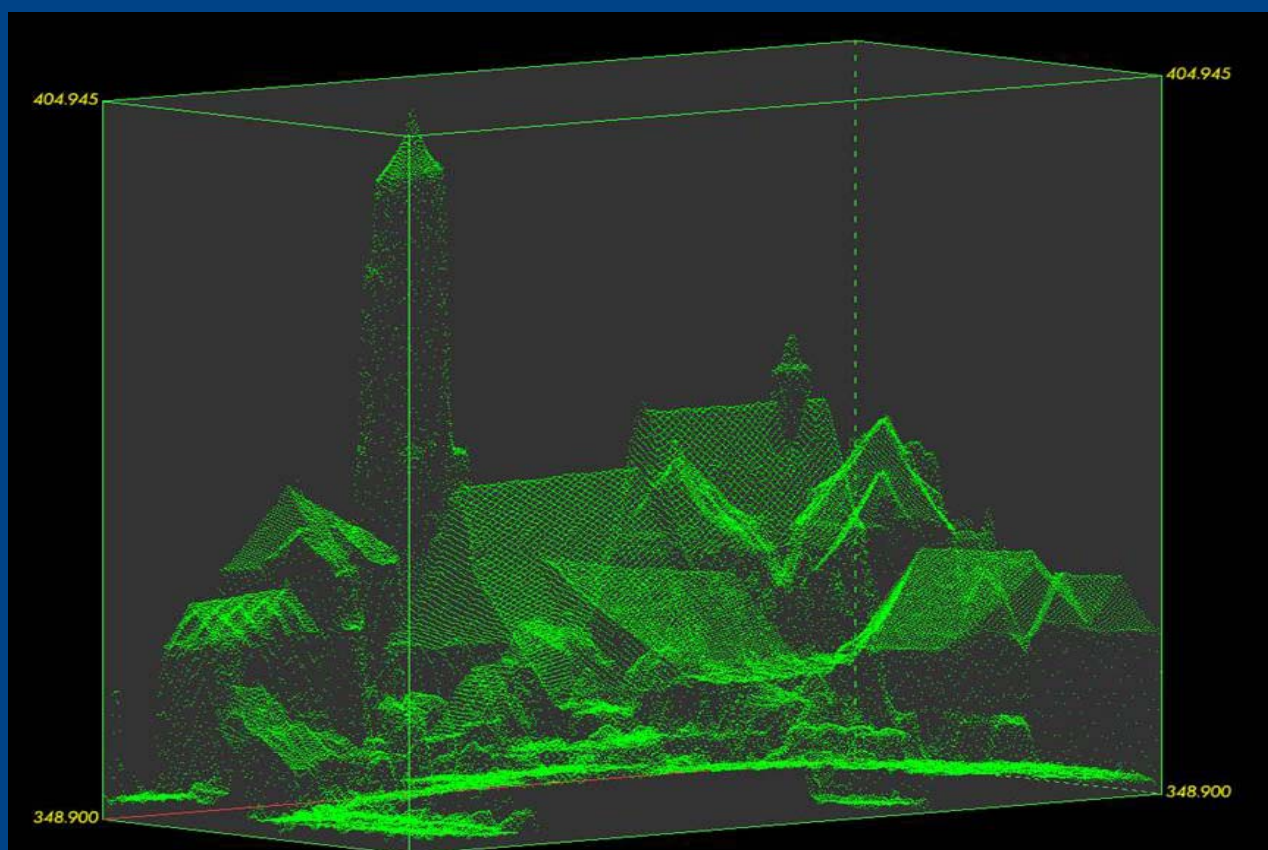


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INPHO data processing solutions



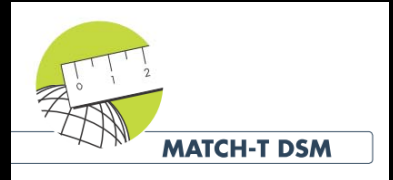
MATCH-T DSM surface model



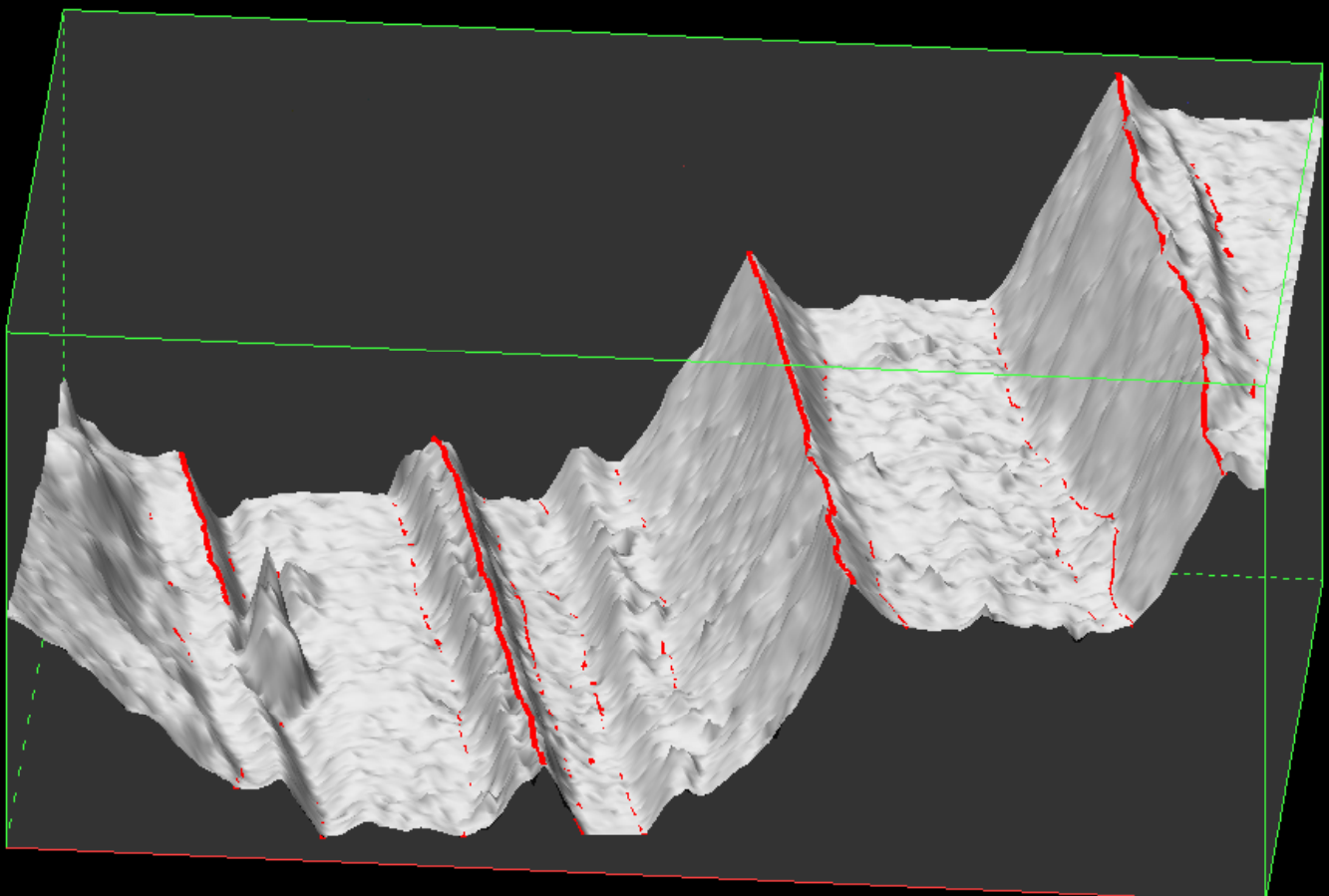
160.959

- DMC
- 60 % overlap
- 7 cm GSD
- 5 points / m²

34.428

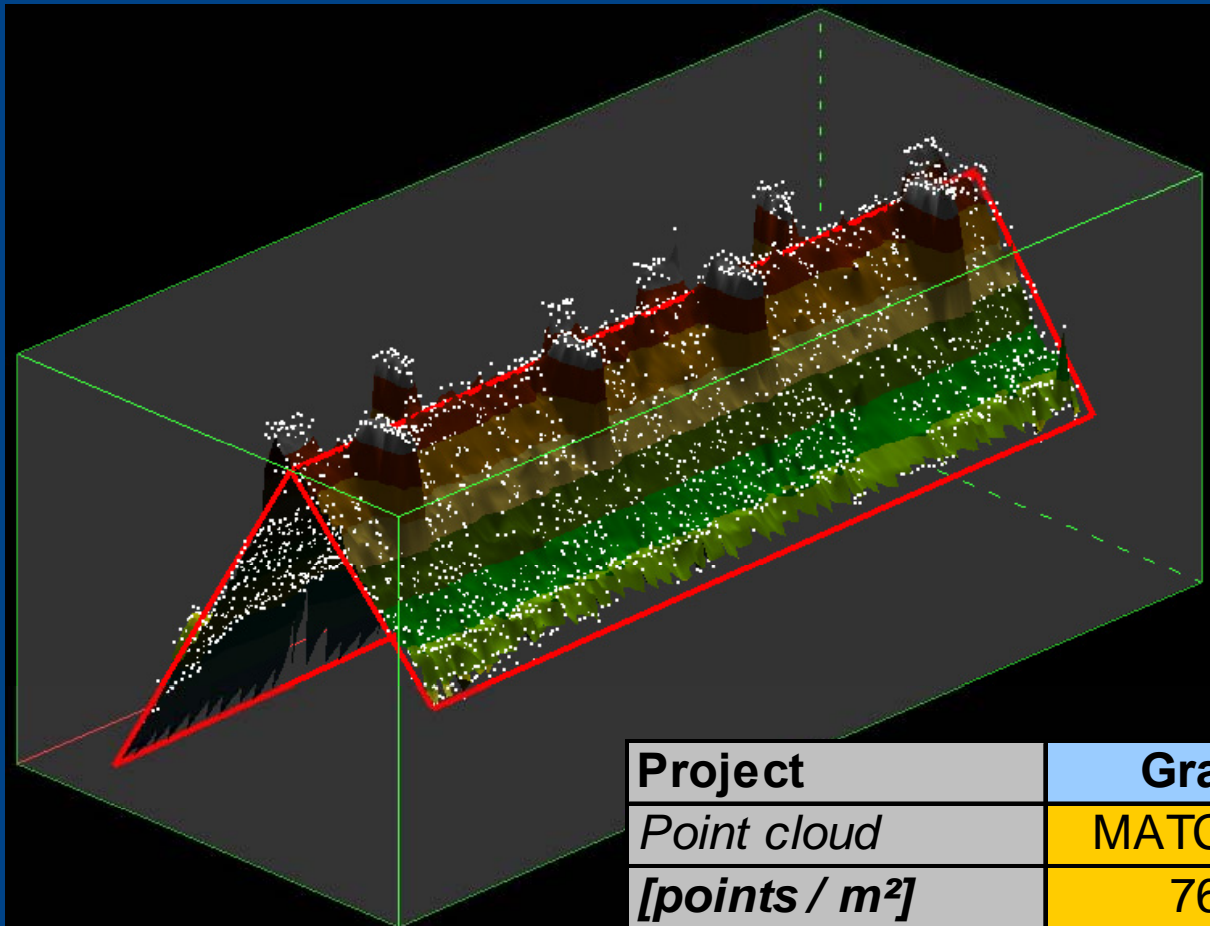


66.817



51.803

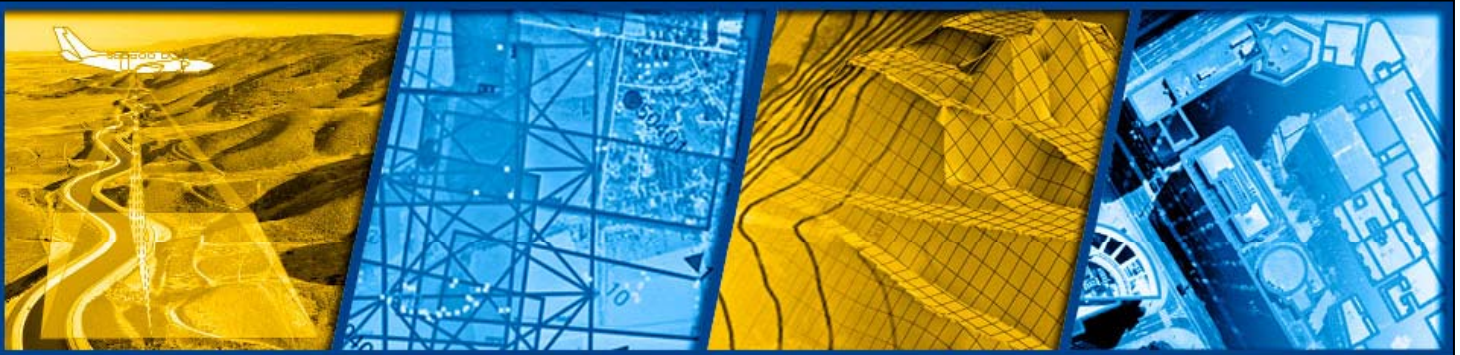
Building extraction from point clouds



Afternoon demo sessions

- **Group E**
Airborne Data Acquisition Solutions
- **Group F**
INPHO Software for Terrain Modelling Applications

Please contact us for an individual demo arrangement



Thank you for your attention

**Johannes Saile
GeoSpatial Division**