



Press Release

TopoSys exhibits at Intergeo 2004:

- New applications for precise Laser scanning
- Airborne Laser scanner „Falcon IIc“ with roll angle compensation

TopoSys shows in Stuttgart at Intergeo 2004, Stand A7.104, new applications for precise Laser scanning and announces a further development of the fiber based Laser scanner Falcon II.

New applications for precise Laser scanning

TopoSys focuses on precise Laser scanning. Due to the combination of Line scanner and Lidar in one system and due to the principle of adjacent measurements new applications can be served which are show at exhibition:

- High resolution true ortho images with 0,25 m raster for city mapping
- Specific thinning for hydraulic simulations

Airborne Laser scanner „Falcon IIc“ with roll angle compensation

In addition the further developed system „Falcon IIc“ is being introduced. A roll angle compensation has been integrated into the scanner. Particular advantage is that not the whole system is rotated but just the CFK plate which holds IMU, RGB/NIR line scanner und fiber scanner. So, line scanner and fiber scanner are compensated collectively.

Due to such a concept the well known high precision without a mechanical beam deflection of the Falcon is being kept. Specific features like flexible mounting or the usage in helicopters are being kept, too.

Technical data roll angle compensation:

- Angle: +/- 6°
- Angular rate: 20° per second
- Angle error: < 0,5°
- No degradation of view angle, pulse rate (83 kHz), echo count (up to nine), echo separation (approx. 1.0m)
- Sideward and forward looking mount still possible



Contact

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