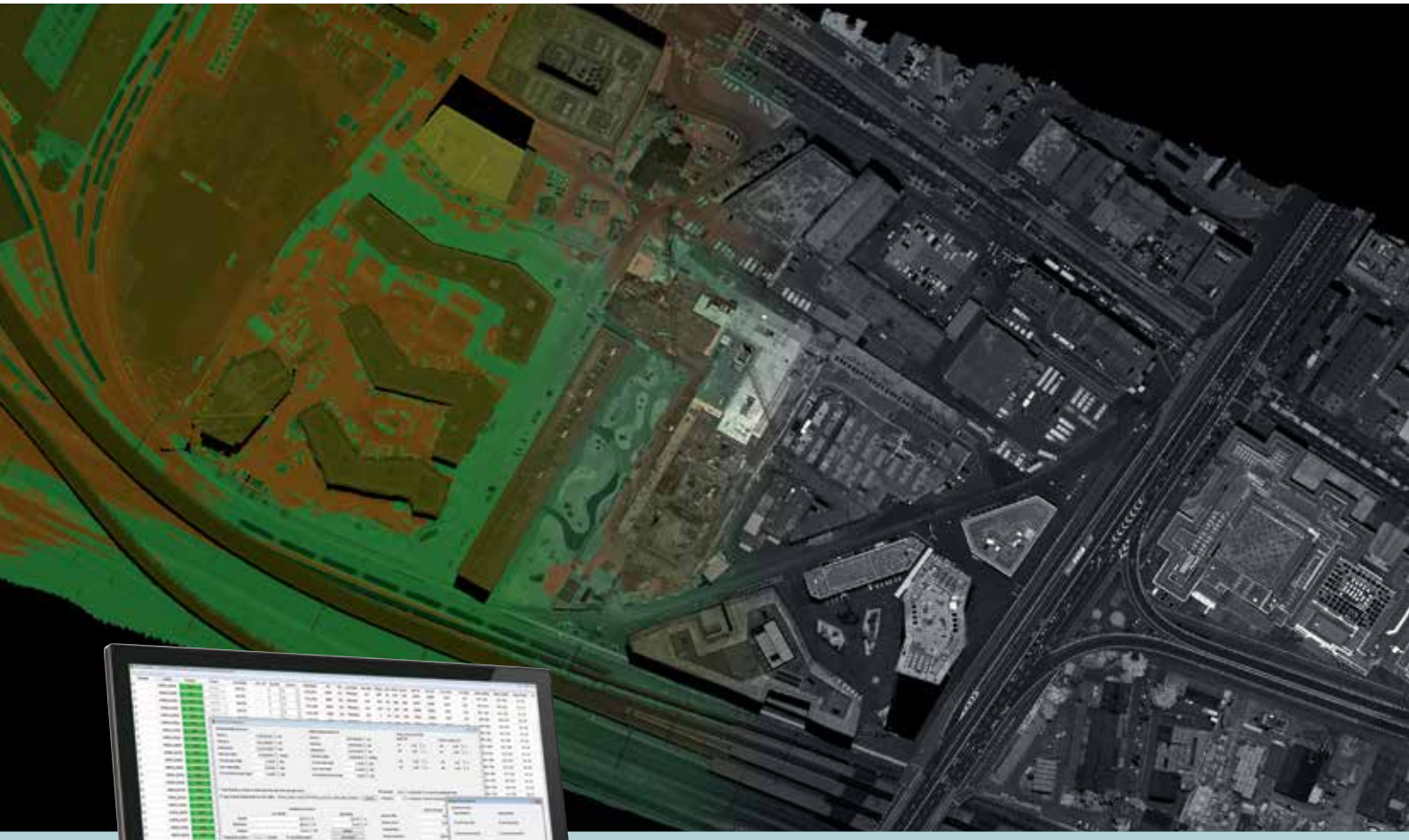
Leica CloudPro

Intelligent point cloud processing for ALS sensors

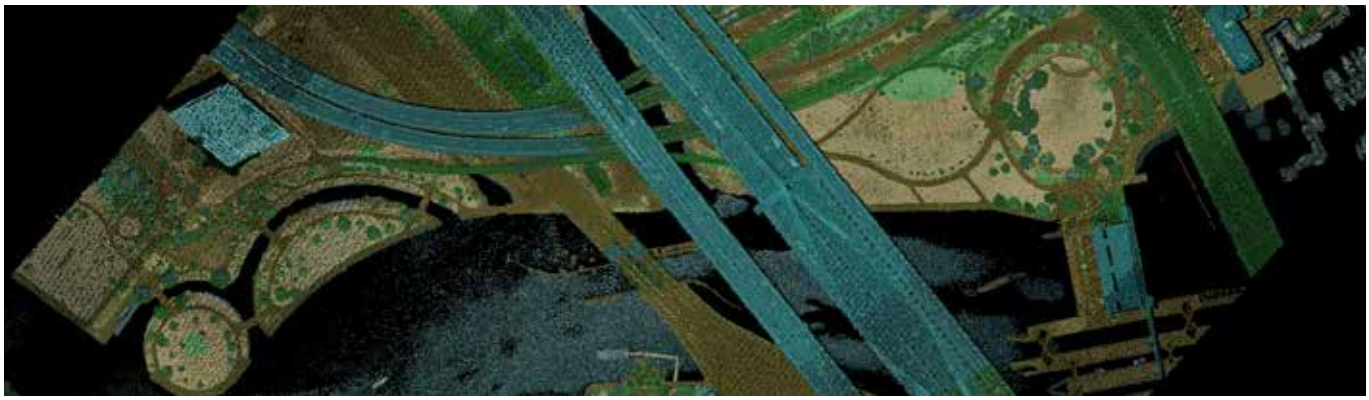


TRACEABLE
The unique processing XML file leaves a fingerprint each time point cloud data is generated. Know exactly what calibration and processing settings were used at every step of the way.

FLEXIBLE
Operate Leica CloudPro from the dedicated GUI, or run CloudPro remotely from user-defined scripts using the unique command-line interface to further streamline your operations. CloudPro also supports hundreds of data formats, projections and datums so you provide exactly what your customer wants.

FAST
CloudPro's multi-threaded architecture maximises processing speed, even on field-user laptops. Process up to 700,000 points per second. Set up multiple flight lines to process and let CloudPro take care of the rest. Need to process multiple missions on one machine? CloudPro allows unlimited simultaneous runs to be set up on a single machine.

Process large point clouds quickly, flexibly and traceably



System requirements

Operating system	Microsoft®[1] Windows®[1] 7 64-bit or XP 64-bit
Processor	Workstation or laptop with minimum Intel[2] Core™ [2] i5 Processor or equivalent
RAM	Minimum 4 GB RAM, 8 GB RAM recommended for better performance
Disk space (installation only)	Minimum 700 MB free disk space for installation
Disk space (processing)	Minimum 40 GB recommended for handling dataset and output point cloud/TIFF images
I/O	SATA, eSATA or USB 3.0 recommended
Storage	SSD recommended

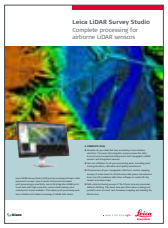
Features summary

Input formats	Trajectory: BET, SOL Point data: ALS40, ALS50-I, ALS50-II, ALS60, ALS70, ALS80 FWD data: Leica WDM65
Output formats	Point cloud: LAS 1.0-1.4, LAZ Intensity images: TIFF Processing/calibration data: XML
Projection options	461 pre-programmed projections in 18 projection groups: Canada, Malaysia, UTM_North, UTM_South, US_State_Plane_NAD27, US_State_Plane_NAD83, Germany, Japan, Japan_JGD2000, Swiss, Sweden, Austria, Korea, Korea(New), Romania, Ireland, Morocco, Czech_Republic_and_Slovakia
Custom projections	12 generic projection types for creation of user-defined projections (via editing of grid_parameters file), including Transverse Mercator, Cassini Soldner (transverse equidistant cylindrical), HOM (Hotine Oblique Mercator), Lambert Conformal, Mercator, Polar Stereographic, Polyconic, Stereographic,UTM, New Zealand, Sinusoidal, OCC
Processing filters	GPS time, subsampling ratio, range, min/max scan angle, edge clip

[1] Microsoft and Windows are trademarks of Microsoft Corporation
[2] Intel and CORE are trademarks of Intel Corporation

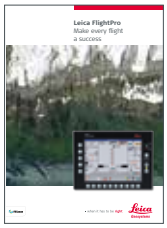
841972en – 10.15 – INT.

Leica ALS80
Fast & flexible airborne LiDAR sensor



Leica LiDAR Survey Studio
Complete processing for airborne LiDAR sensors

Leica MissionPro
Mission planning software



Leica FlightPro
Make every flight a success

Leica Geosystems AG
Heerbrugg, Switzerland

www.leica-geosystems.com

- when it has to be **right**

Leica Geosystems