

Mobile Mapping solutions

SOLUTION OVERVIEW

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Segment sales manager

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THE AGENDA FOR TODAY SOLUTIONS OVERVIEW







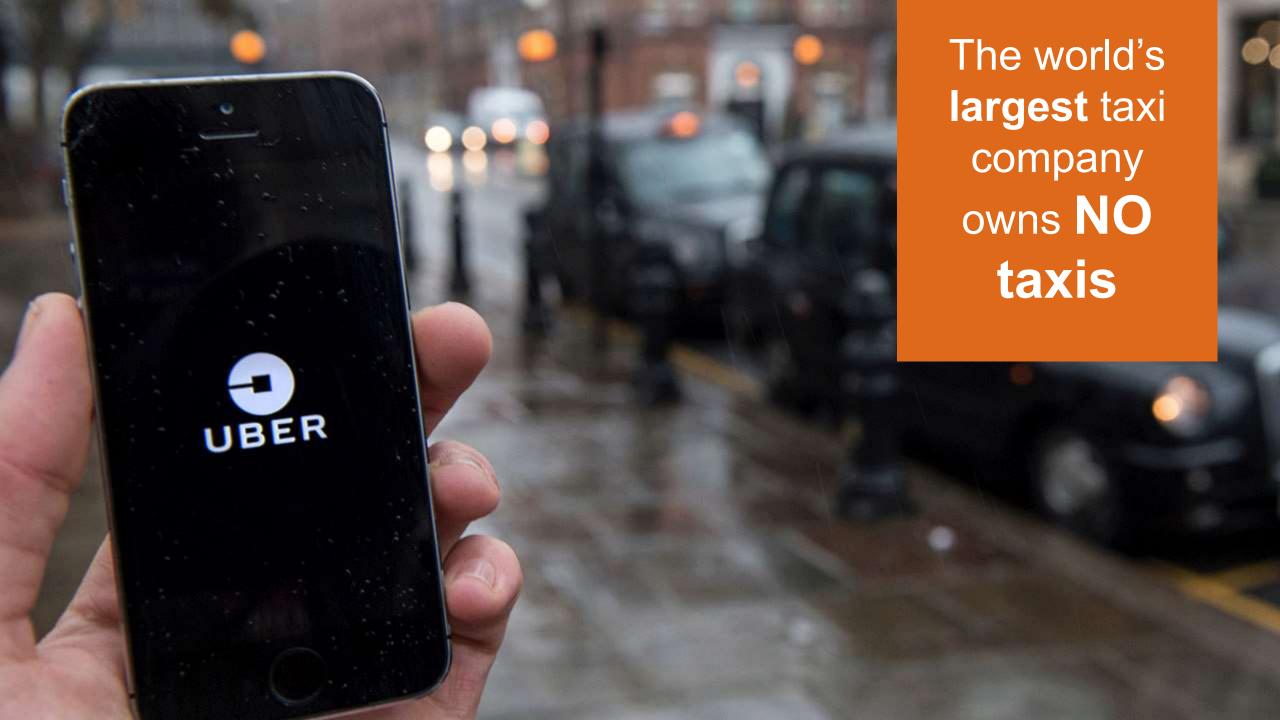


DIGITAL LEAP IS REALITY

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Examples of the transition to digital

110 X 🐡 🌶 Freigeben 🛮 AirPreview











WHY SHIFT TO MOBILE MAPPING

THE GLOBAL CONSTRUCTION INDUSTRY BY 2020



















Database completeness & information obsolescence are important

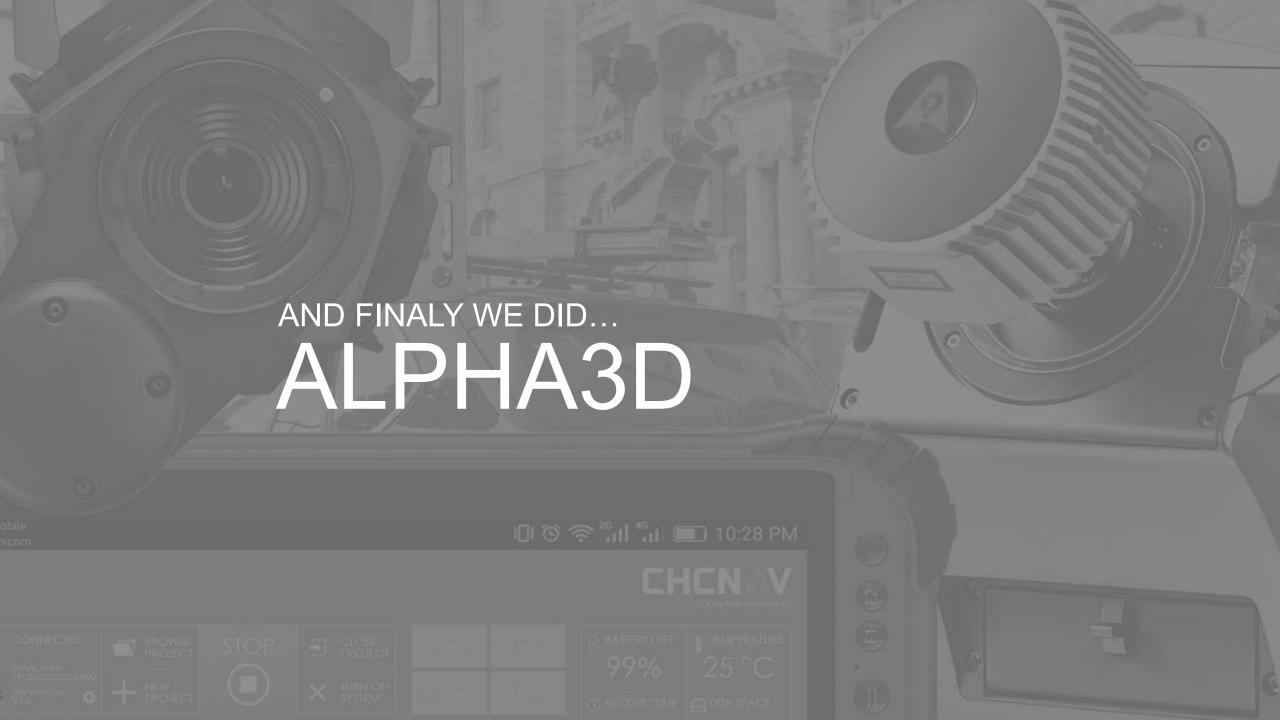






BRING IDEAS TO TABLE WE STARTED IMPROVEMENTS I want to make it smaller For any vehicle We need independent power Better performance Looks on of scanner competitors







Make your work more efficient

CHC ALPHA3D HIGH END M3D SOLUTION

RESULTS

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- Competitive
- High performance
- Focusing on future
- Cost effective













COMBINATION OF DATA









CHC ALPHA3D SCANNING PERFORMANCE

Riegl VUX-1HA scanner for premium data

- scanning range 235 m (max. 420 m)
- scanner linear accuracy 5 mm
- range noise 3 mm
- scanning speed 1 000 000 pts/sec
- mirror rotation 250 Hz
- step between profiles at speed 40 km/h 4
 cm

option for second profiler will be available from 2019





CHC ALPHA3D IMAGING PERFORMANCE

High resolution 360° image with LadyBug5+

- 6 sensors
- 90% of full sphere
- 30 MP (5 MP x 6 sensors), 10 FPS
- 2048 x 2448, 3.45 μm pixel size
- HDR

colorizing PC and processing from image





Dominant performance

- absolute accuracy from 2 to 3 cm
- vehicle independent solution
 - car
 - boat
 - rail
- 19.2 kg total weight
- compact size
- IP64 protection
- -10°C to +40°C operating temperature





Rotational platform

- 7 position
- 0; ±15°; ±30°; ±45°
- option to add 2nd profiler (Q1 2019)





Battery

- external battery in protected case
- up to 8 hrs operating time
- support direct vehicle power source
- delivery without cells







Roof extension

- fits in transport container
- 16.6 kg total weight
- can carry up to 137 kg
- 89 cm extension







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Flexibility

- 1 TB SSD removable drive
- 2nd GNSS antenna
- 2 external synchronization ports
- 2nd profiler ready





CAPTURE AND CONTROL DATA EASILY WITH COCAPTURE

COCAPTURE

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Manage the mission and automatically capture data

- BYOD, device free
- any browser based operation
- wifi or LAN cable connection
- simple and intuitive, userfriendly design





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BRING RICH DELIVERABLES WITH COPROCESS

COPROCESS

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Desktop processing SW

- intuitive user interface with rich functionality
- semi-automated feature extractions
- powerful engine can support massive data processing
- easily export extracted information into CAD or GIS deliverables with our SW plugins



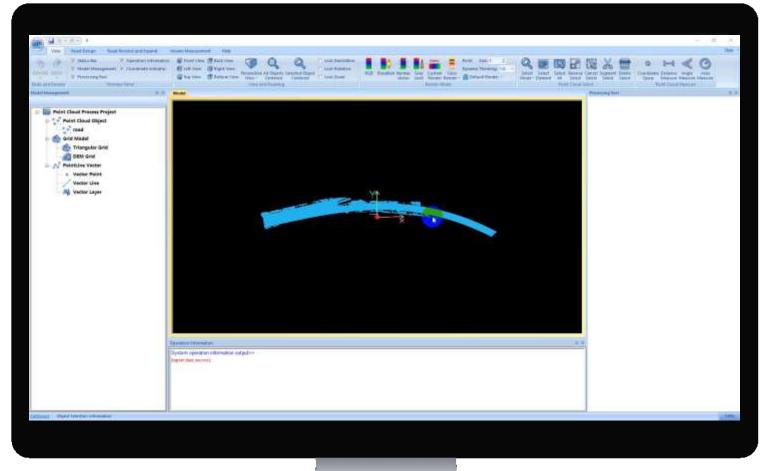


BRING RICH DELIVERABLES WITH COPROCESS

COPROCESS

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road extraction



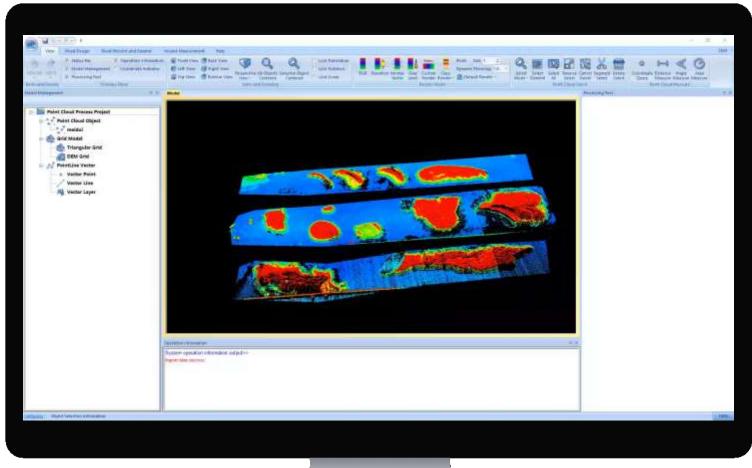


BRING RICH DELIVERABLES WITH COPROCESS

COPROCESS

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volume calculation



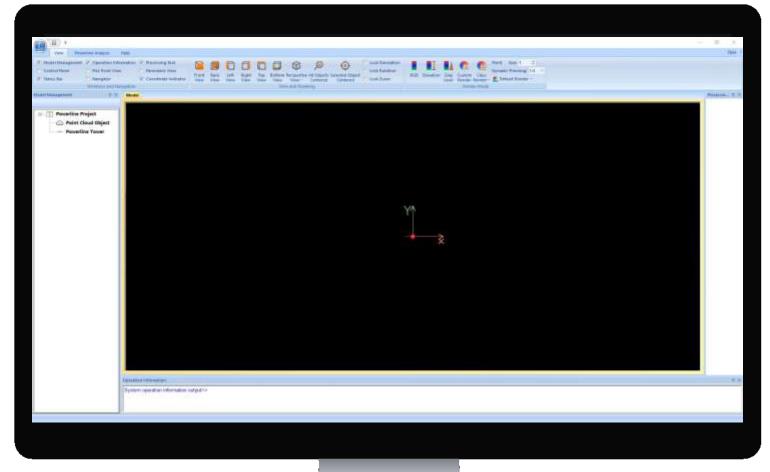


BRING RICH DELIVERABLES WITH COPROCESS

COPROCESS

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cable line analysis with Copower module



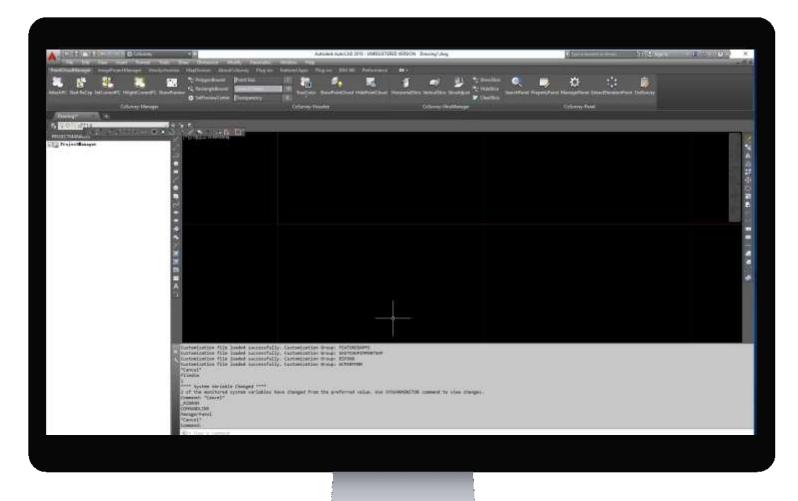


COSURVEY PLAGIN

COSURVEY

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bring the data into lovely CAD SW

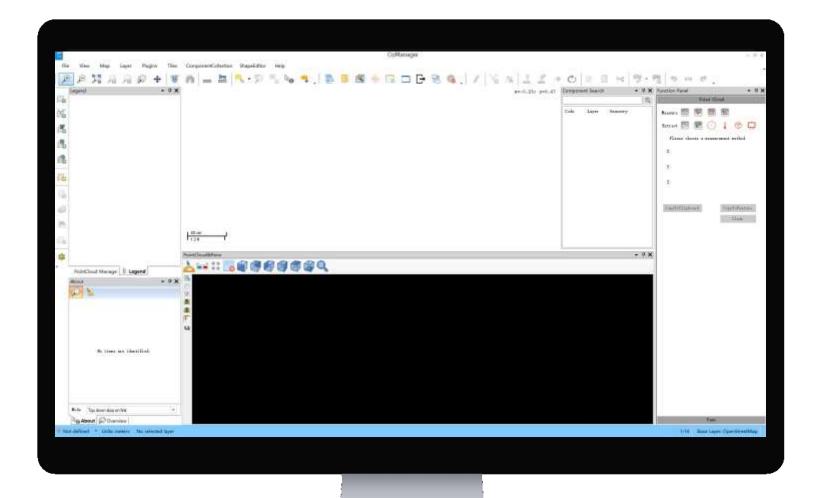




COMANAGER PLAGIN

COMANAGER

bring the data into GIS platform





APPLICATIONS GROWING BUSINESS IN NEW MARKET SEGMENTS

APPLICATIONS

GROWING BUSINESS IN NEW MARKET SEGMENTS







ROADS&HIGWAYS RAIL MAPPING TUNNELS



APPLICATIONS

GROWING BUSINESS IN NEW MARKET SEGMENTS







DIGITAL CITY

INFRASTRUCTURE UTILITIES

OIL&GAS



APPLICATIONS

GROWING BUSINESS IN NEW MARKET SEGMENTS







MINING AIRPORTS WATER



THANK YOU



Make your work more efficient



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