

FROM IMAGERY TO DIGITAL REALITY

19th International Scientific and Technical Conference

Geo-cantar's Experiences and Improvement Suggestions in Working With PHOTOMOD

Geo-centar In Brief

Has existed since 2003 in Former Yugoslavia area.

Office in Thailand registered since 2017 as Geo-centar Asia.

PHOTOMOD reseller for Southeast Asia since 2017.



Qualitech Technical Seminar 2018
Rayong Thailand

What Geo-centar Can Do?

3D CAD Modelling

Aerial Survey by UAS

As-built Virtual Replica

Bathymetry

Cartography

Decommissioning

Dimensional Control

DOF

DSM

DTM

Engineering Survey

GIS

Land Survey

Mapping

Outsourcing

Photogrammetry

Remote Sensing

Remote Visual Inspection by Drone

Reverse Engineering

Stereo Restitution

Tank Calibration

Terrestrial Laser Scanning

Underground Utilities Detection

Geospatial Data We Work With



Main Industries We Are Targeting

Agriculture

Civil Engineering

Developers

Electricity Distribution Grid

Oil&Gas

Ports (Air, River and Sea)

Powerplants

Processing Industry

Renewable Energy

Roads and Railways

Telecommunications

Tourism

Main Software We Work With

Agisoft PhotoScan / Metashape

Parrot Pix4D

Autodesk AutoCAD

Racurs PHOTOMOD

AVEVA LFM / PDMS / E3D / NetView

Trimble Real Works

DTM Software LSS

FARO Scene

Leica Cyclone / TrueView

Joint Ventures



We Are Proud Of

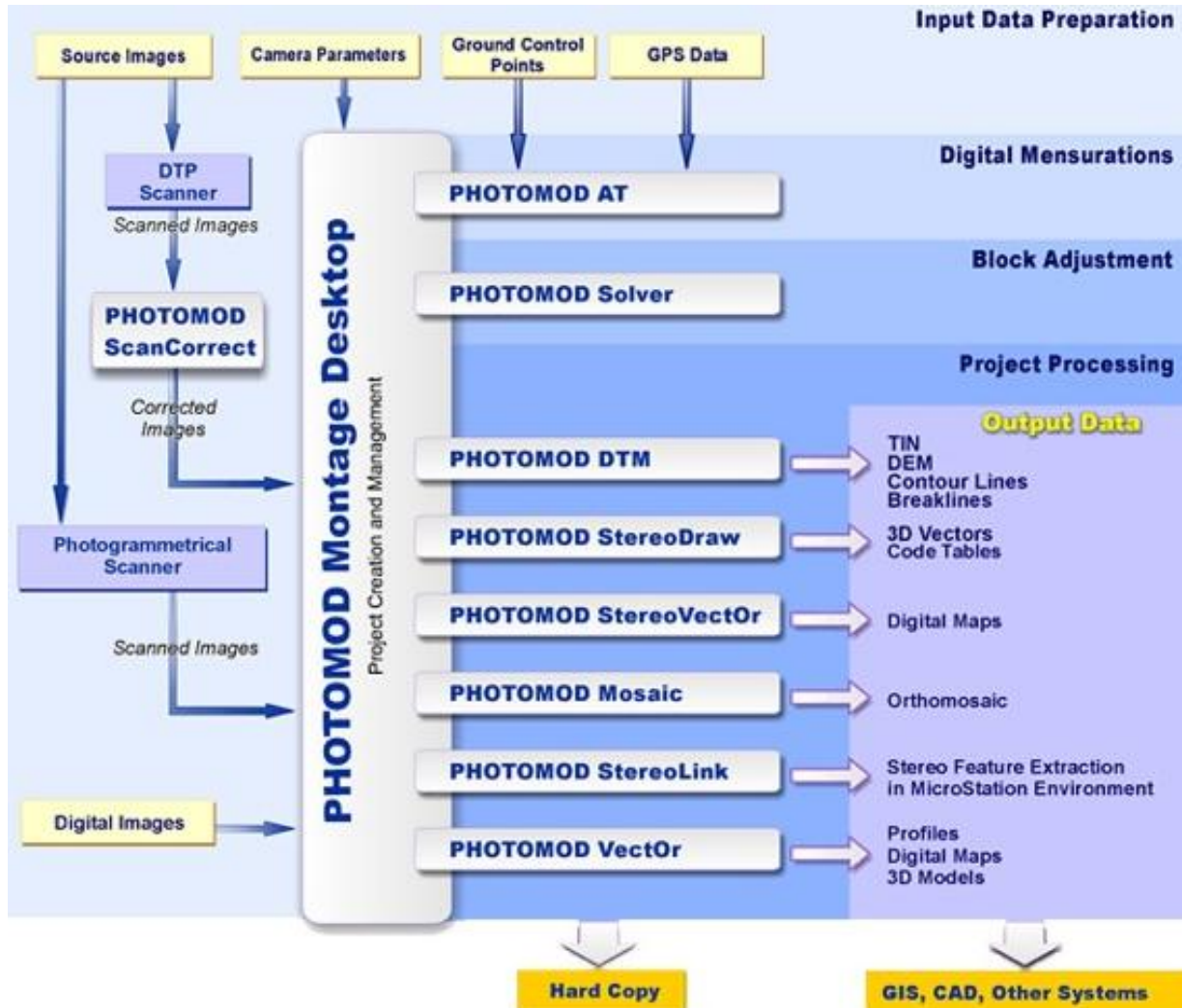


Geo-centar founder Vladimir Petrović with Bramor ppX UAS



SKYVIV
SKY VISUAL IMAGING VENTURE

We Are Proud Of



PHOTOMOD

PHOTOMOD UAS — stand-alone full photogrammetric UAS-oriented software

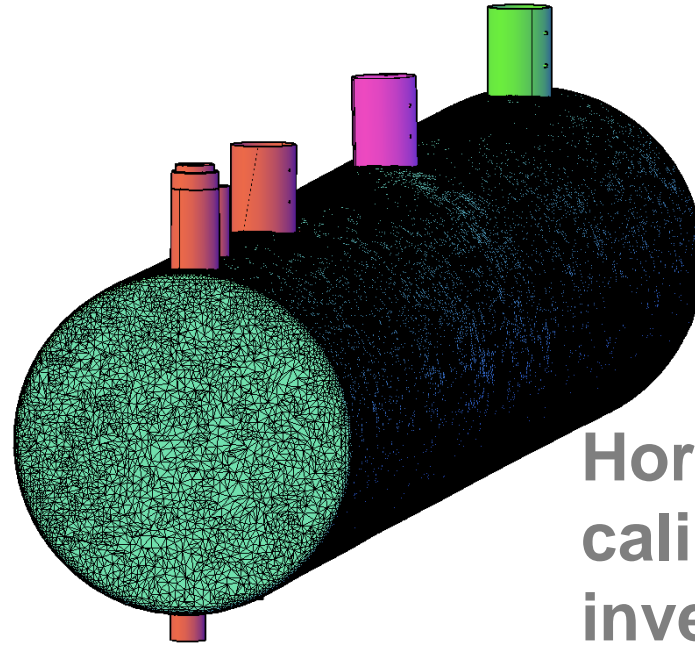
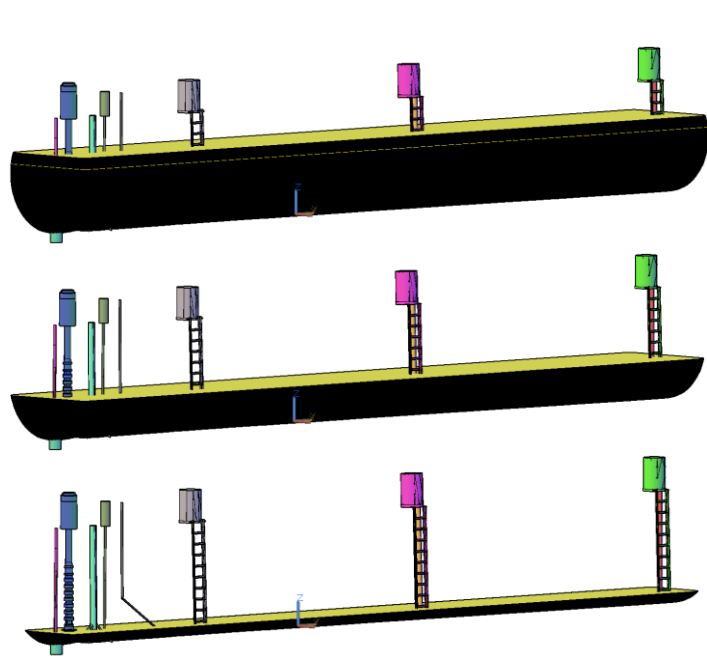


We Are Proud Of

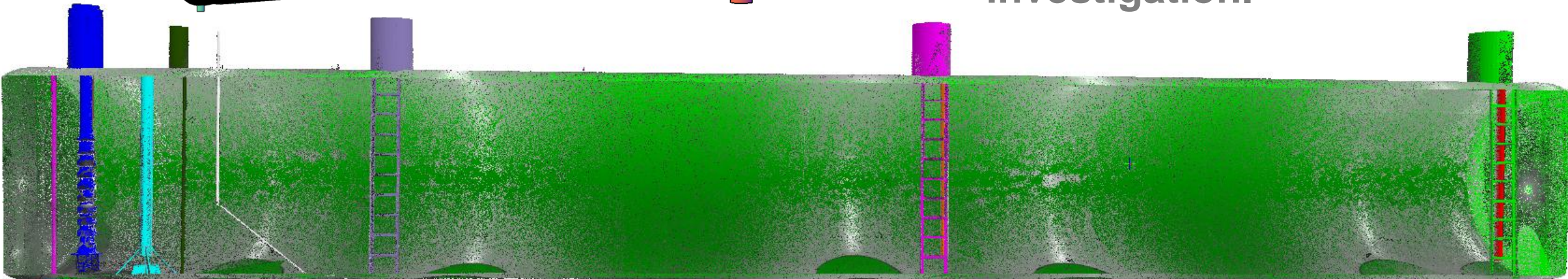


**27" 2.5K Plura View Passive
3D Stereo Monitors with
Stealth 3D Mouse are used in
Geo-center.**

We Are Proud Of



Horizontal and vertical tank calibration and deformations investigation.

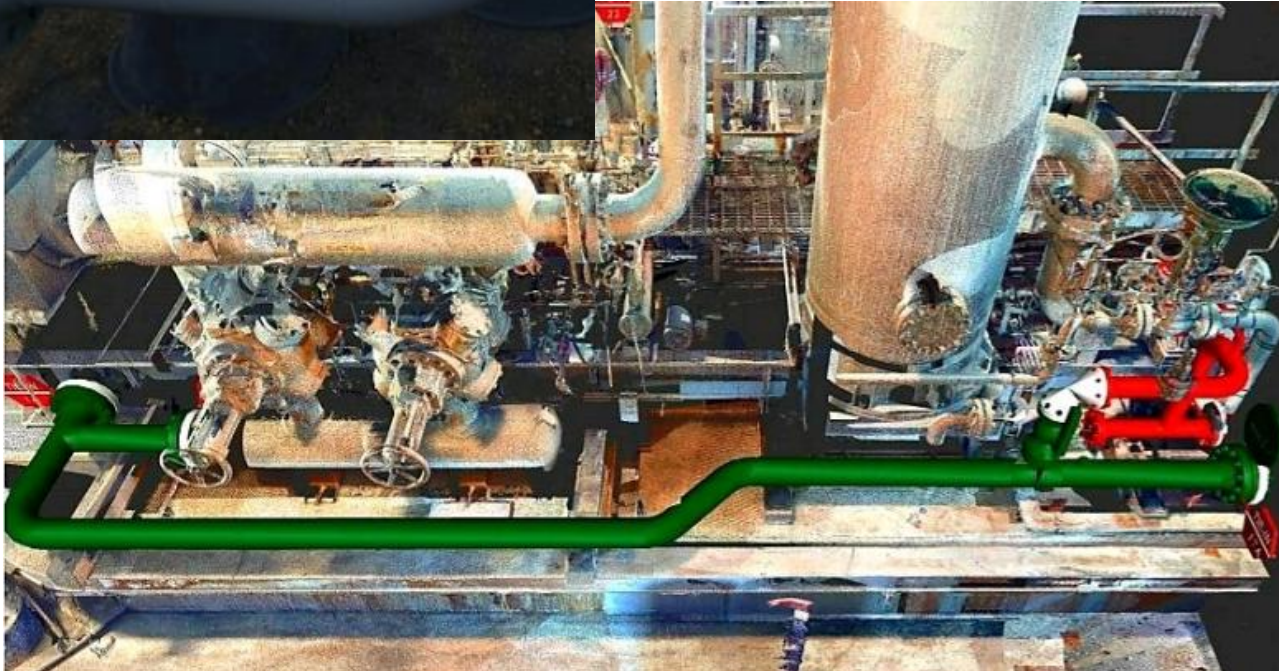


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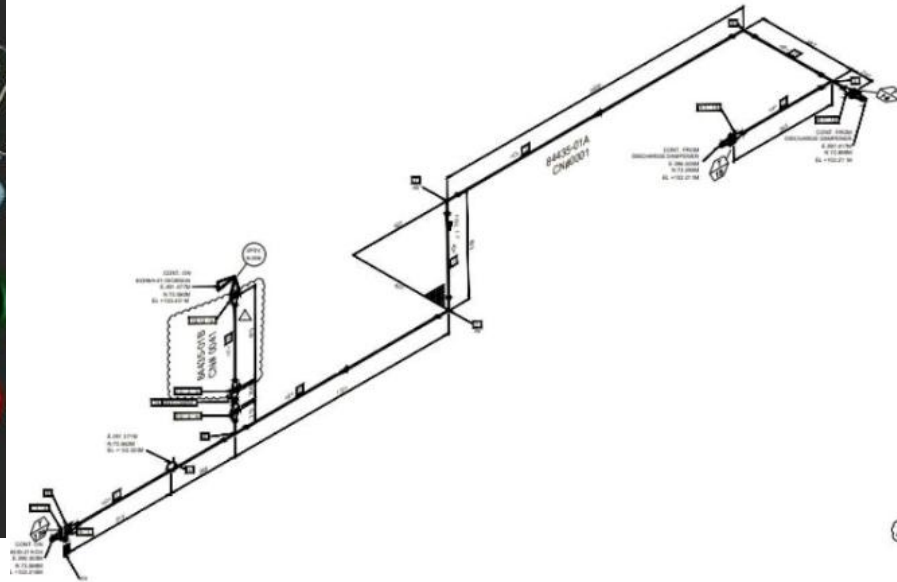


Terrestrial laser scanning.

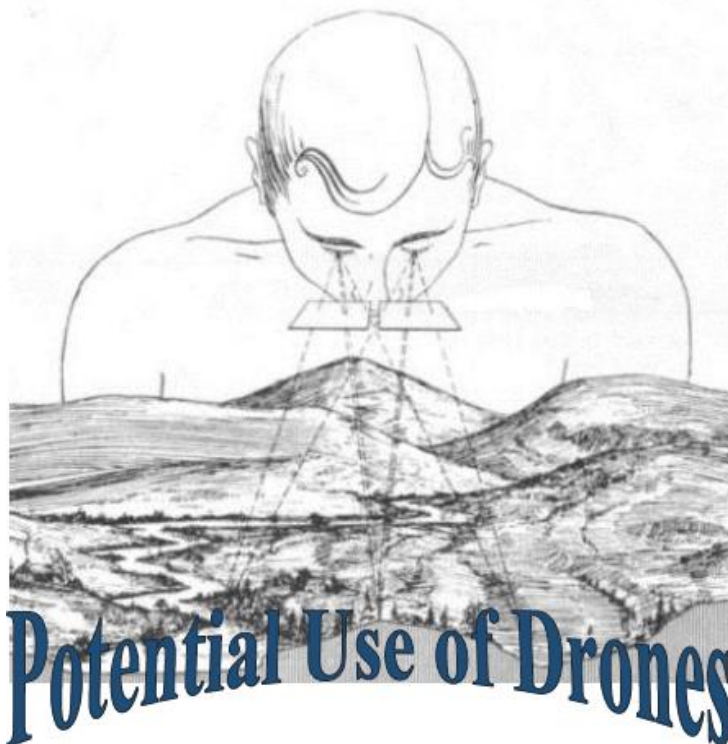
We Are Working On



Conditions preparation to enlarge 3D modelling group specialized in data extraction from the point cloud in our main office in Banja Luka, Bosnia and Herzegovina.



We Are Writing and Publishing



in Geo-centar Ltd.

- Proposal -

by Jasmin Babic

Geo-centar Ltd.
Jevrejska 75
78000 Republika Srpska
Bosnia and Herzegovina
www.geo-centar.com

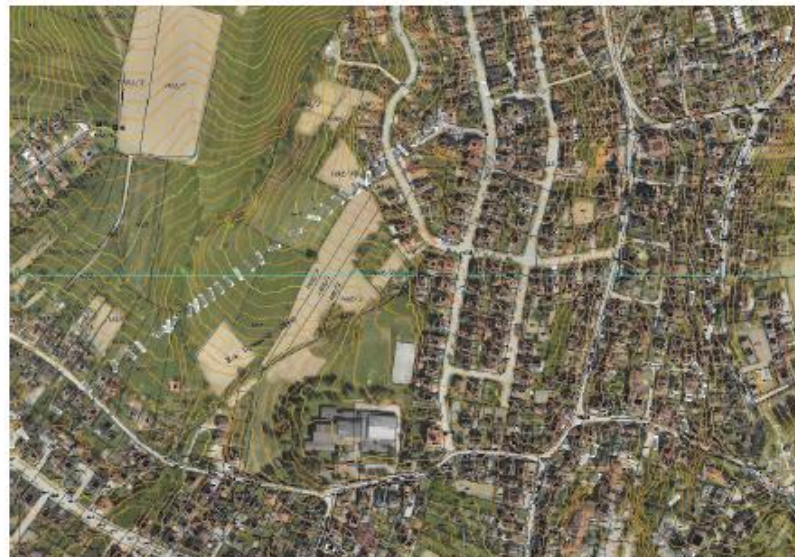
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We Are Writing and Publishing

Гео-центар д.о.о.

Август 2018



**ЕНЕРГЕТСКА ЕФИКАСНОСТ ОБЈЕКАТА У ЗАВИСНОСТИ ОД
ОБЛИКА И НАГИБА КРОВА**

АНАЛИЗА НА ПРИМЈЕРУ УРБАНОГ ПОДРУЧЈА ПРЊАВОРА



Гео-центар д.о.о.
Јеврејска 75, 78000 Бања Лука
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Босна и Херцеговина

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PHOTOMOD Improvement Suggestions

1. Singular object processing option.
2. Processing of thermal (IR) images.
3. Module for agriculture / forestry with vegetation index (NDVI).
4. Module for terrestrial and aerial LiDAR data processing, registration, conversions, inputs, exports.
5. If PHOTOMOD already working with point cloud derived from stereopairs, LiDAR scans and their processing shouldn't be out of reach.

PHOTOMOD Improvement Suggestions

6. Firmware which enable direct save-as into PHOTOMOD native format should be distributed to all main / relevant survey and consumer grade UAS (drone) manufacturers.

7. PHOTOMOD UAS price could be further lowered as additional leverage for market break through. PHOTOMOD UAS installation DVDs should be available / visible in all DJI and other drone stores, and salesman stimulated to sell PHOTOMOD UAS extensively.



พินาย, Phi Mai, Thailand
28 October 2019, Seoul