

VITRUM LASER

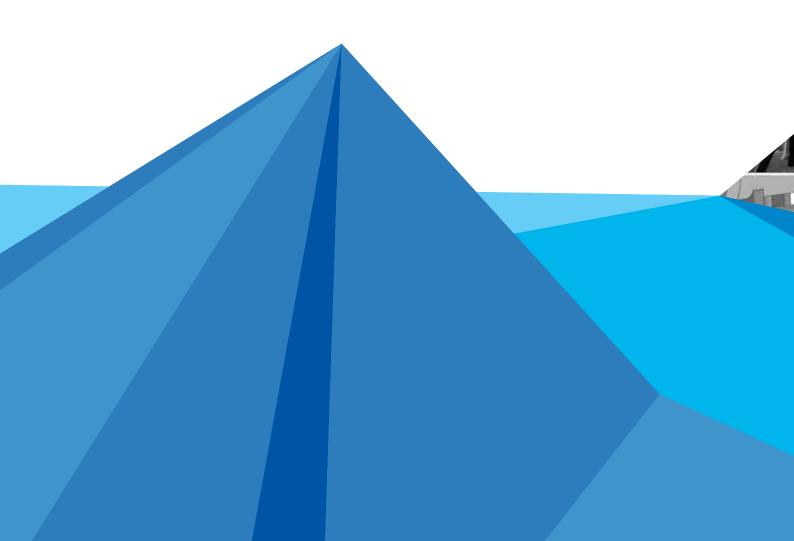
3D VISUALIZATION TECHNOLOGIES

Terrestrial 3D Laser Scanning Ground Penetrating Radar surveying Aerial Mapping & Surveying Advance 3D Modelling and Visualization



VITRUM LASER

3D VISUALIZATION TECHNOLOGIES





Vitrum Laser inženiring d.o.o. was established in year 2004 with the aim of developing and deploying non-contact survey technologies, such as 3D laser scanning, UAV and Ground Penetrating Radar.

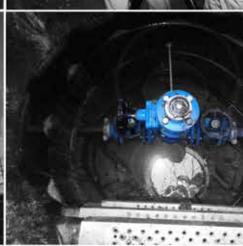
Company started with LiDAR technology and then specialized primarily for above and under ground measurements and become a leading company

in the implementation of non-contact measuring

technologies.











OUR SERVICES

Vitrum Laser is a multi disciplined company which provides land and engineering survey services throughout many sectors. With fixed price solutions provided, our clients can be satisfied that cost overruns will not occur.



3D LASER SCANNING

As Built Mapping
Clash Detections
Volume Calculations
Deformation Monitoring
3D object visualization



SUB SURFACE MAPPING

Utility Mapping
Road Layer Profiling
Void Detection
Foundation Investigation
Geological Research
Bedrock mapping
Locating Arheo Artifacts



AERIAL MAPPING

GIS mapping & Surveys
Infracture Inspection
Volume Estimation
Orto Photo creation
IR Inspection

PRODUCTS | DELIVERABLES

BREAK DOWN BARRIERS TO THE DIGITAL WORLD

Operating as a multidisciplinary consultant our Property and Infrastructure teams provide a full range of measurement services across a project lifecycle.



MODELLING

2D | 3D | 4D | 5D
Sections & Elevations
Site & Floor plans
Terrain Modeling
Deviation Analysis
Collision Tests



DEFORMATION MONITORING

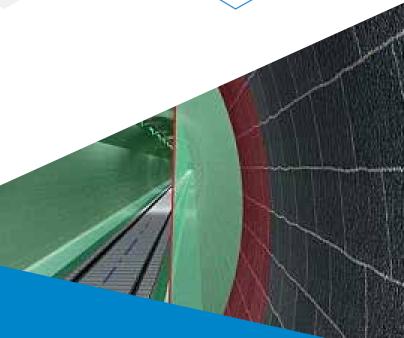
Cutting slopes
Building deformation
Tunnel walls
Railway & Roadway
Quarry & Mine



SCAN 2 BIM

As Built 3D for BIM
Retrofit | Renovation
Parametric modelling
Intelligent 3D utilities
Computational Analysis

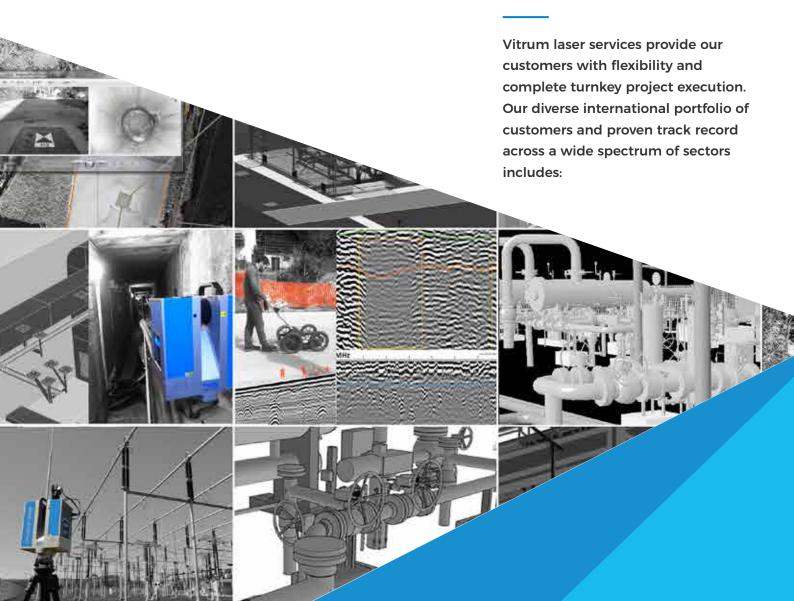
- 3D CAD & BIM models
- 2D CAD documentation
- Orthophoto
- Clash and Deformation reports
- Volumetrical reports
- 3D Visualizations and Simulations



SOLUTIONS APPLICATIONS

ANY SIZES
COMPLEX FORMS
INACCESSIBLE AREAS
EX ZONES...

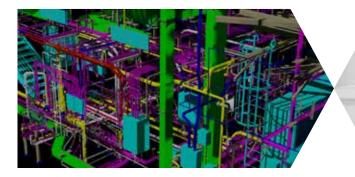






SHOW CASES

Projects we carried out to demonstrate the versatility of our Services. We specialize in providing accurate 3D models to engineers, architects and facilities managers. Our services have an application suited to a diverse range of industries. Thanks to our service we can reduce project delays, design errors, and cost overruns.

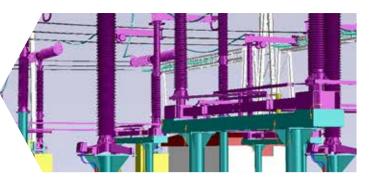


As Built Modelling Nuclear Power Plant

Customer should use our model to coordinate the installation and relocation of MEP in support of the new system.

Scan 2 BIM Electrical Substations

With 3D scanning we were able to create complete model for facility engineering, training, archival, and presentation purposes.



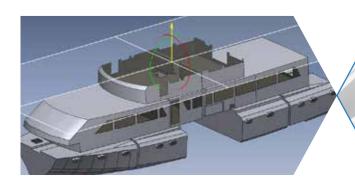
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Utility Mapping Hydro PowerPlant

Over / underground mapping survey was required to locate and map all utility infrastructure.

3D MODELS, BIM, 2D DRAWINGS, DEVIATION ANALYSIS, DEFORMATION, UTILITY MAPS

With more than 10 year's experience Vitrum Laser Inženiring is qualified to provide outstanding and well-informed solutions to the industry. Few characteristic projects are presented bellow:



As Built Modelling Ship Interior

We have scanned for changes to the superstructure, fitting of new equipment and verifying storage spaces prior to loading.

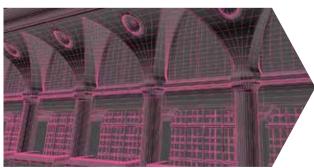
As Buit Modelling Public building

Concrete part was scanned for further structural analysis purposes.

CAD model

was creted from pointcloud data.





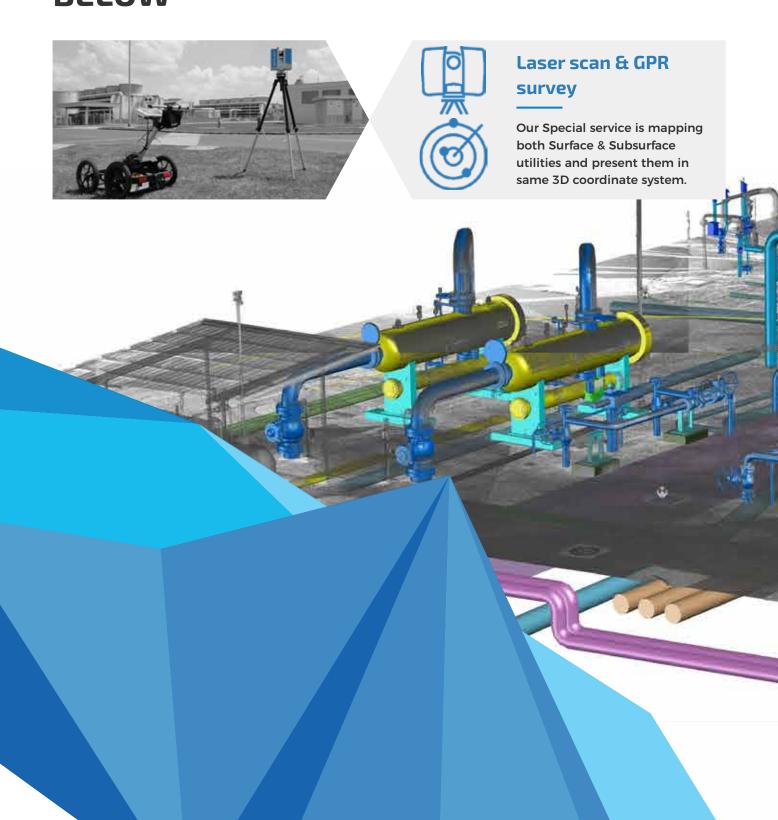
As Built Modelling Public Hall

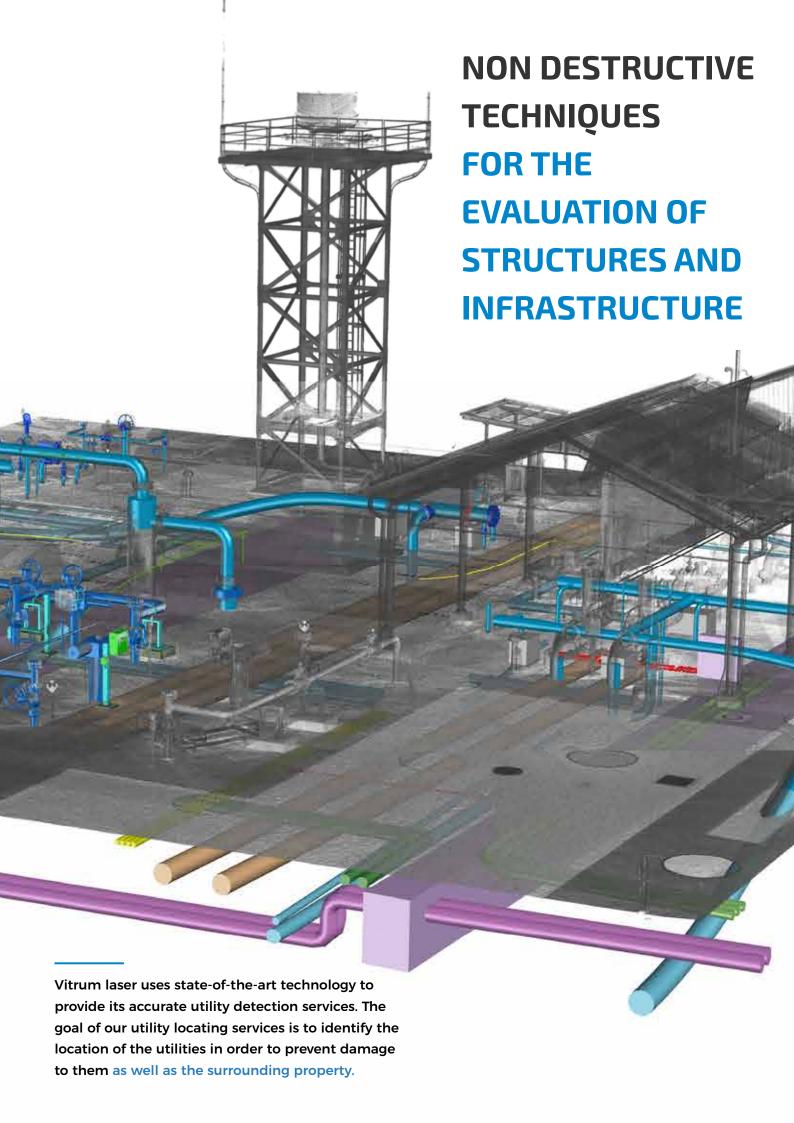
Hall interior space was scanned and modelled for Wall Projection Mapping purposes.





ABOVE AND BELOW







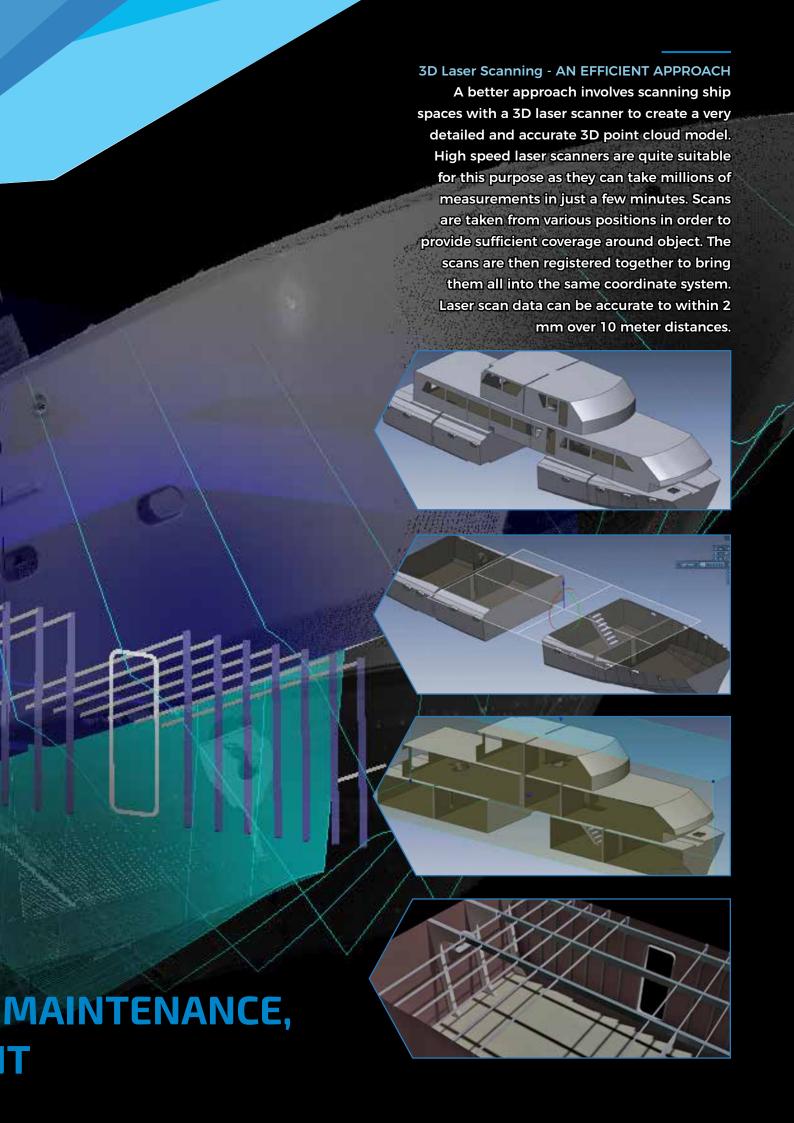


Laser scanning for the Marine industry

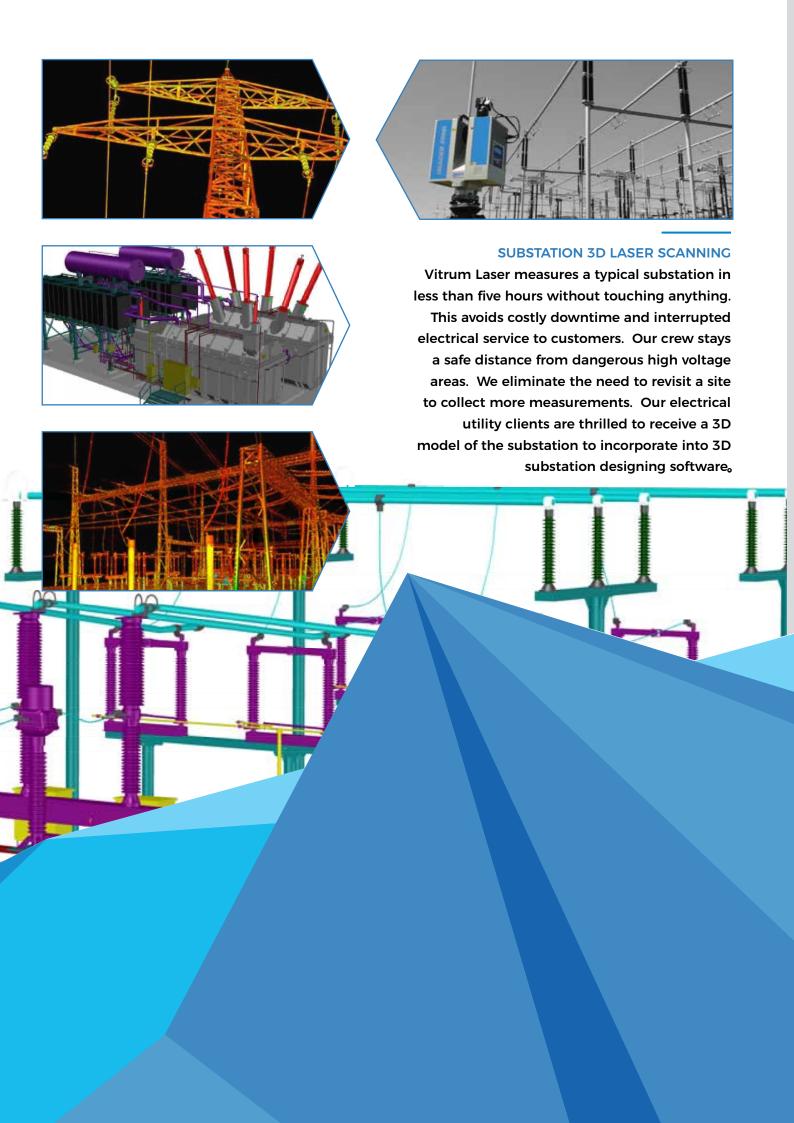
3D laser scanning, replace conventional and time-consuming methods while providing far more accurate and detailed results.

- · Ship hull 3D modelling
- Engine room exact 3D dimensions
- Yachts interior 2d and 3D drawings
- · Structure waterlines and sections
- Bridge 3D model creation

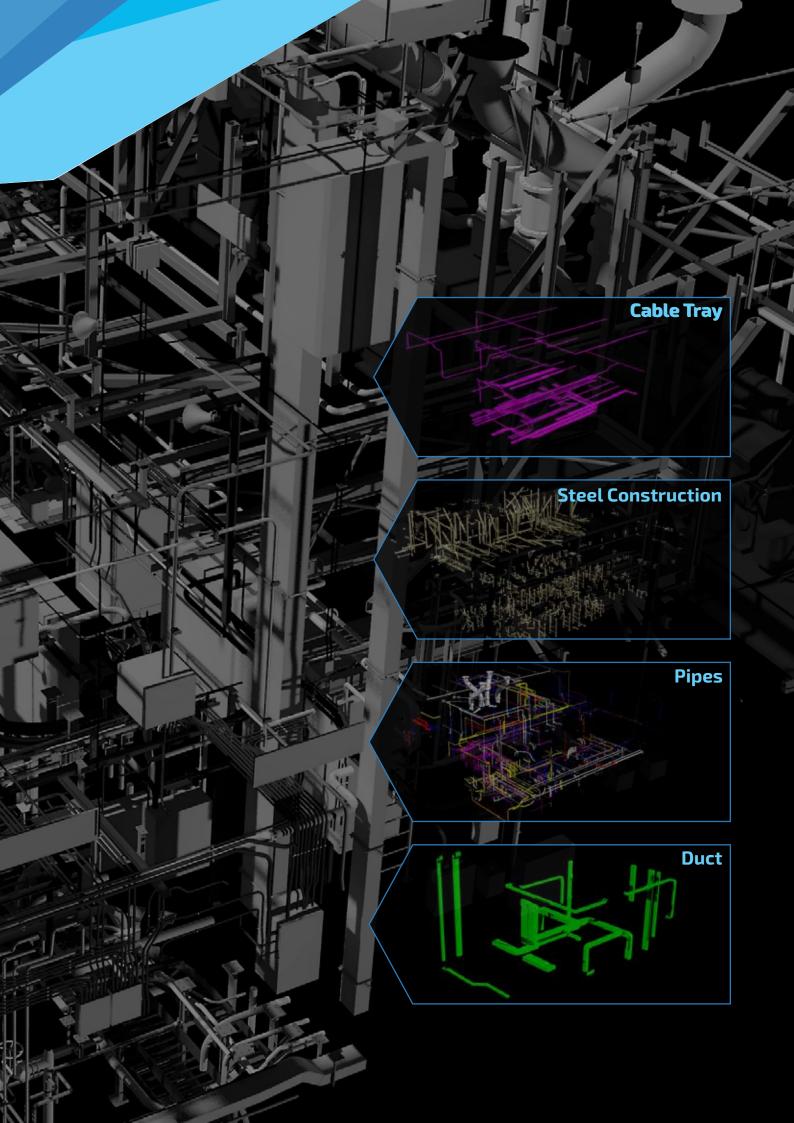
3D LASER SCANNING FOR ACQUISITION, MODERNIZATION, DAMAGE ASSESSMEN











OFFICE ADDRESS

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