



TAKE OVER[®]

www.take-over.it

Contacts



+39 3478626213



TAKE-OVER.IT



AMMINISTRAZIONE@TAKE-OVER.IT



VIA VERDI, 23 - L'AQUILA (AQ)
VIALE BOVIO, 248 - PESCARA (PE)
VIA SAVOIA, 78 - ROMA (RM)



TAKE_OVER_PESCARA



About us

Take Over Rilievi Integrati srl was born from the decades of experience of technicians and professionals who work in the architectural - engineering sector and have always carried out their work by studying and deepening the use of the most modern technologies on the market in the field of surveying and data processing. This ensures a high level of expertise and process knowledge, enabling them to offer solutions that are always appropriate to the demands of an ever-changing sector.

Application fields

The company works in support of engineering and architectural projects related to the maintenance, monitoring and construction of large infrastructures (highways, railways, bridges, dams), historically and culturally significant artifacts, complex civil construction, critical territorial issues in large areas, and energy production and storage facilities.

However, the combination of well-structured expertise and highly advanced technology allows the scope to be extended into cross-cutting areas, ensuring a product suitable for very diverse uses.

Goals

Take Over Rilievi Integrati srl provides integrated surveying and data processing solutions, guaranteeing accuracy, speed and reliability in the highest possible quality.

In order to offer such services, there is a strong belief that constant updating of technologies and training of technical workers are and should be the driving force behind the company's activities, through strategic investment plans aimed at achieving and maintaining positions of excellence at the national and international level.

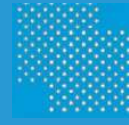
SERVICES



3D Laser scanner



Drone surveys



Point clouds



BIM models



3D reconstructions



Specific processing



Bathymetric surveys



2D CAD drawings



Mobile Mapping

APPLICATION AREAS

Infrastructure

- Bridges and viaducts
- Tunnels
- Road axes and highways
- Railways
- Dams
- Harbor Areas

Public Construction

- Hospitals
- Schools
- Public offices
- Military facilities

Residential Construction

- Condominiums
- Colleges and Convents
- Detached houses
- Council housing

Historic Buildings

- Churches and Shrines
- Museums
- Buildings of Value
- Monuments
- Historic Villages

Industrial Facilities

- Cement plants
- Photovoltaic plants
- Pylons and overhead lines

Off-shore e On-shore

- Marine platforms
- Installations and warehouses

Territory

- Surveys for design
- Large area monitoring
- Rocky slopes
- Riverbeds and streams
- Quarries and mining ponds

BIM Models

- Renovation and restoration
- Infrastructure
- Plant engineering
- Property Management

Bathymetric Survey

- Environmental monitoring
- Infrastructure and civil works
- Cartography and spatial analysis

Rendering

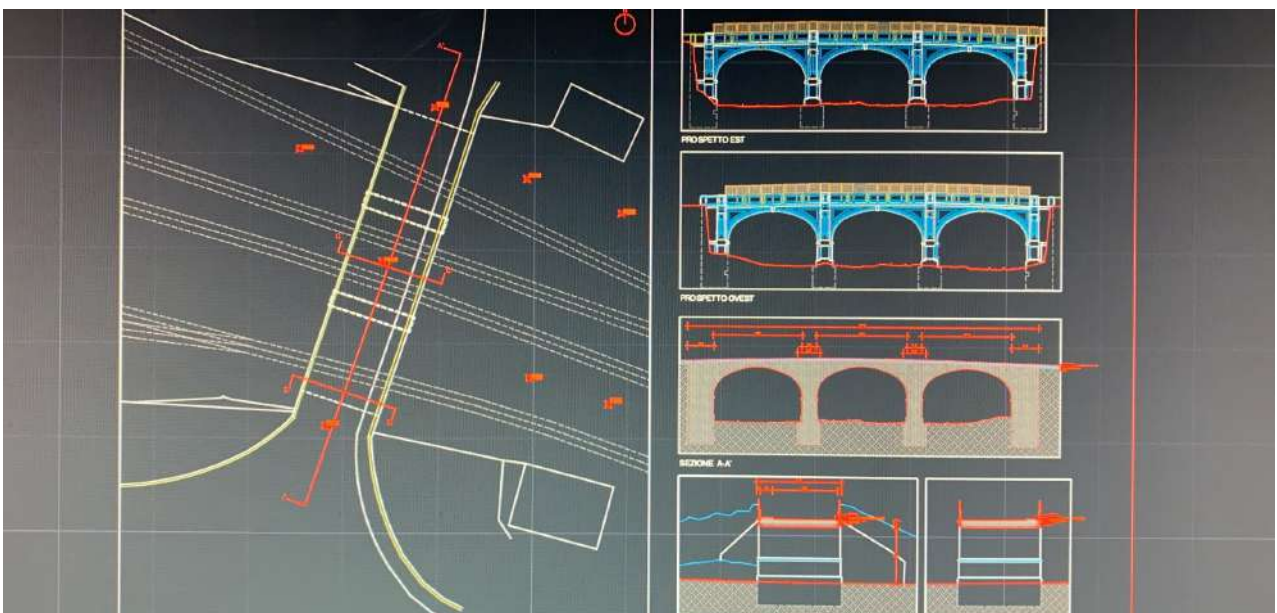
- Architectural Rendering
- Exterior rendering
- Interior rendering
- 3d Animation

BRIDGES

Terrestrial Laser Scanners with millimeter accuracy (mounted on By-Bridges if necessary for close surveys of supporting elements) are used to survey geometries, any deformations and states of deterioration of surfaces.

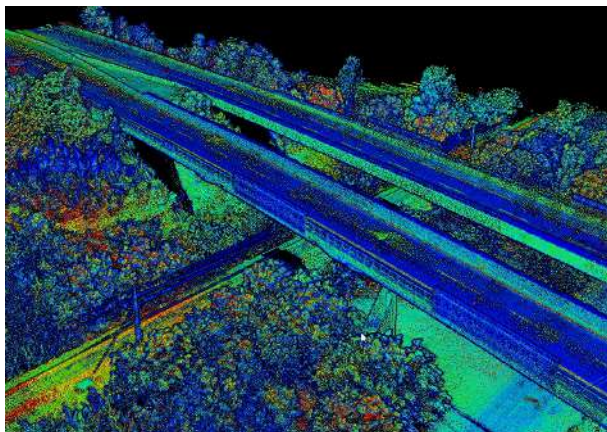
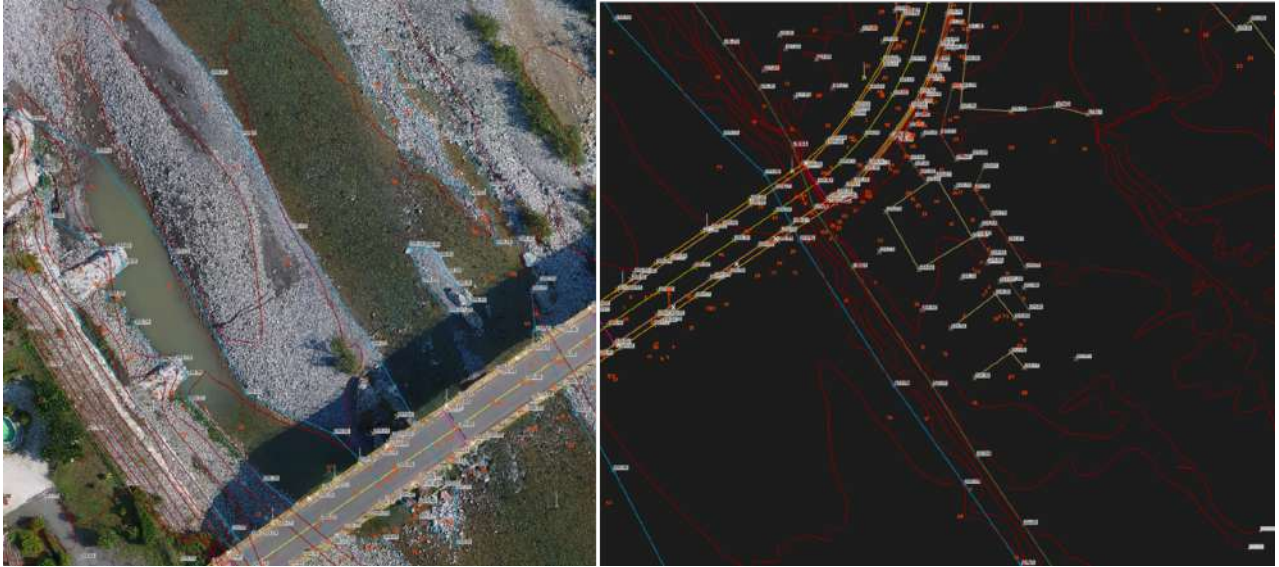


The overall orographic and infrastructural survey is conducted with the support of SAPRs (Drones) RTK for satellite georeferencing, thanks to which a high-density point cloud is obtained that integrates and complements that obtained by Laser Scanner. From this georeferenced 3D model, drawings and drawings specifically targeted for design in the different scales of intervention can be obtained.



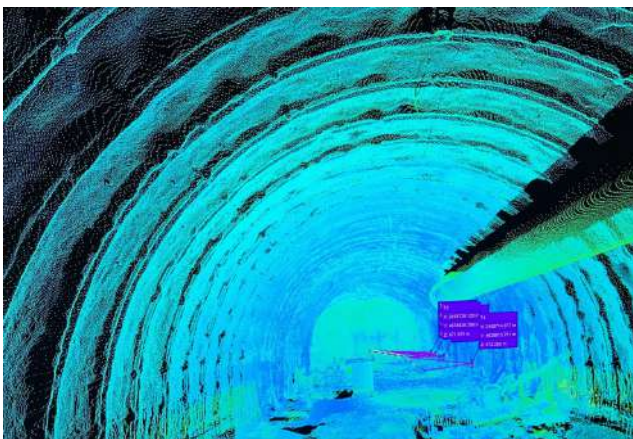
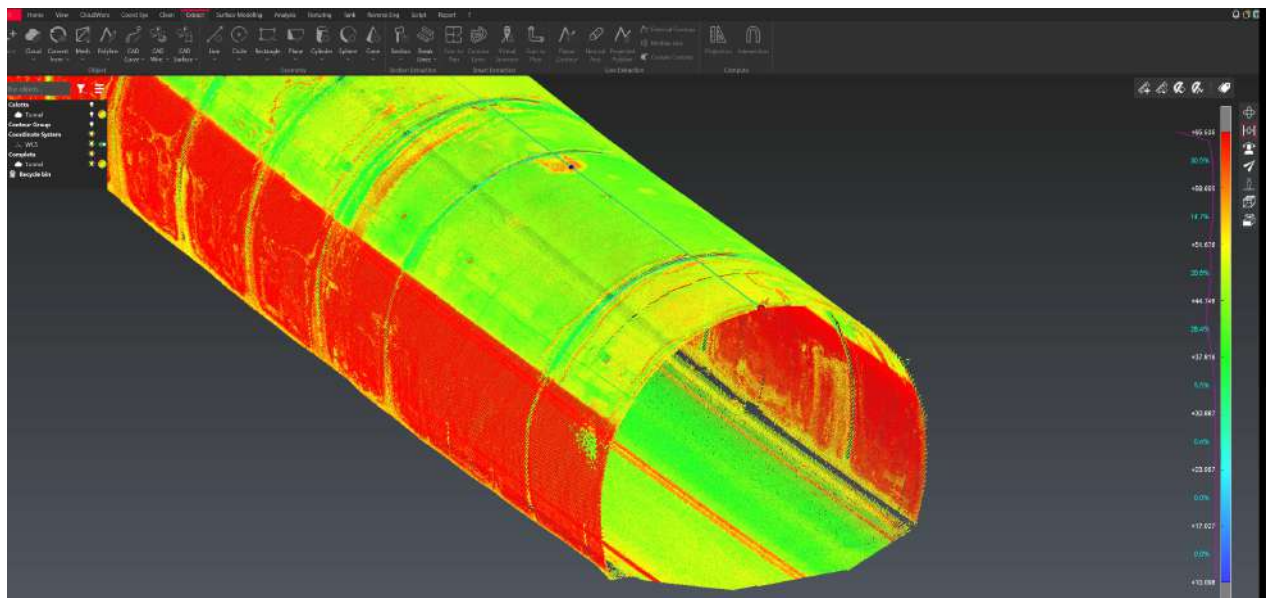
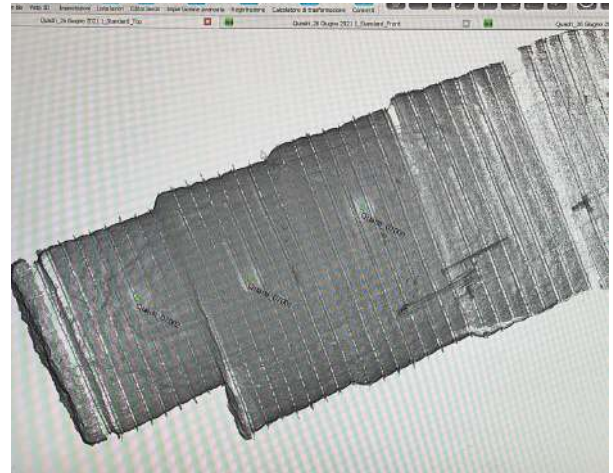
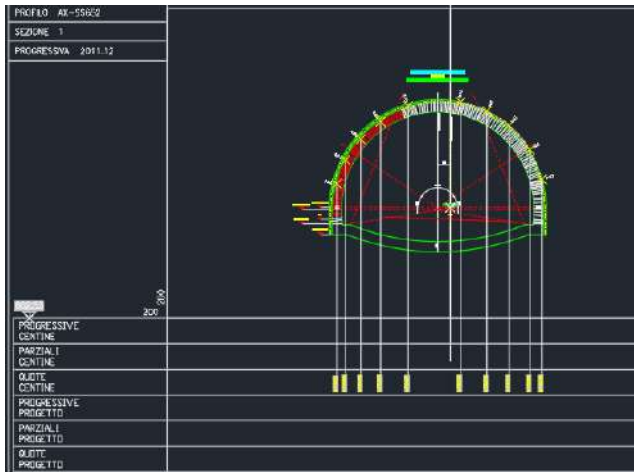
VIADUCT

Our experience in bridge and viaduct management and surveying enables us to provide structural monitoring services, condition analysis, and targeted maintenance interventions. We use advanced technologies to ensure maximum accuracy and safety.



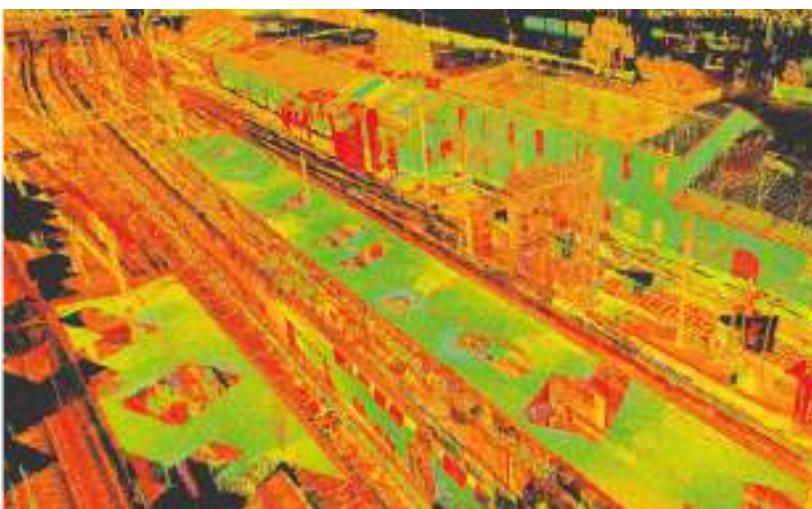
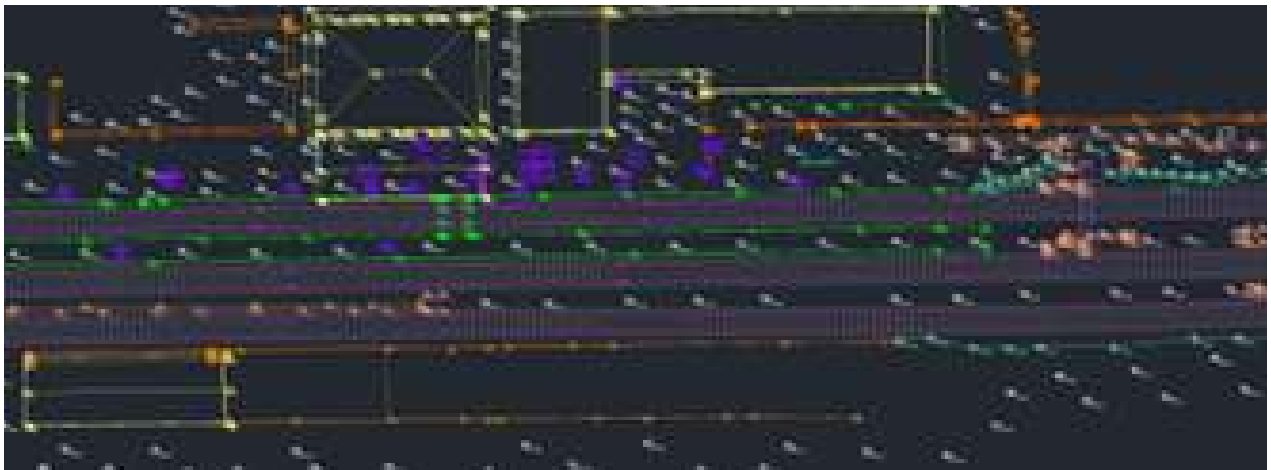
TUNNELS

With mobile mapping and the advanced use of laser scanning, we are able to combine speed and accuracy, providing fast results of the highest quality.



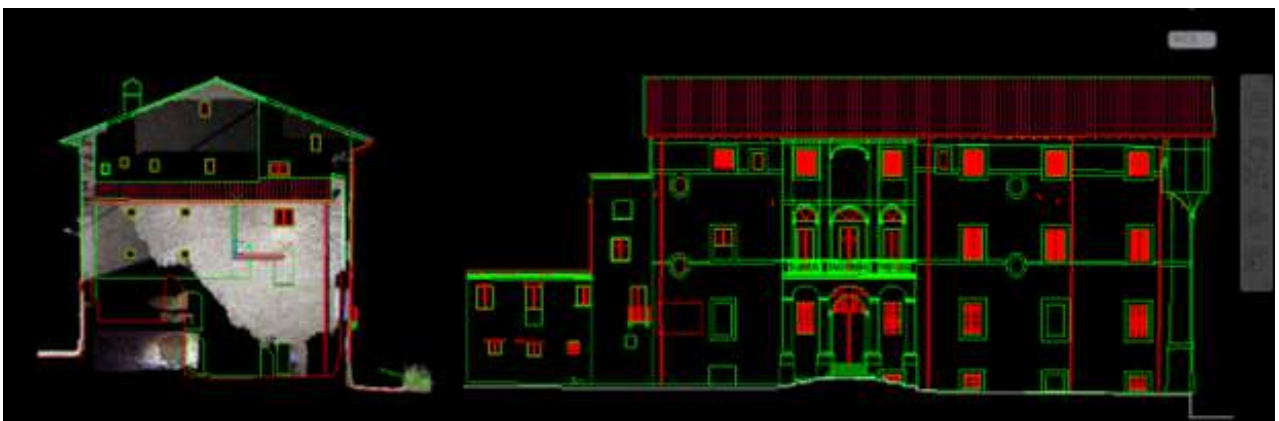
RAILWAYS

Specializing in surveying rail infrastructure, we offer comprehensive solutions for monitoring railroad tracks, sleepers and structures. Our advanced technology enables us to detect any issues



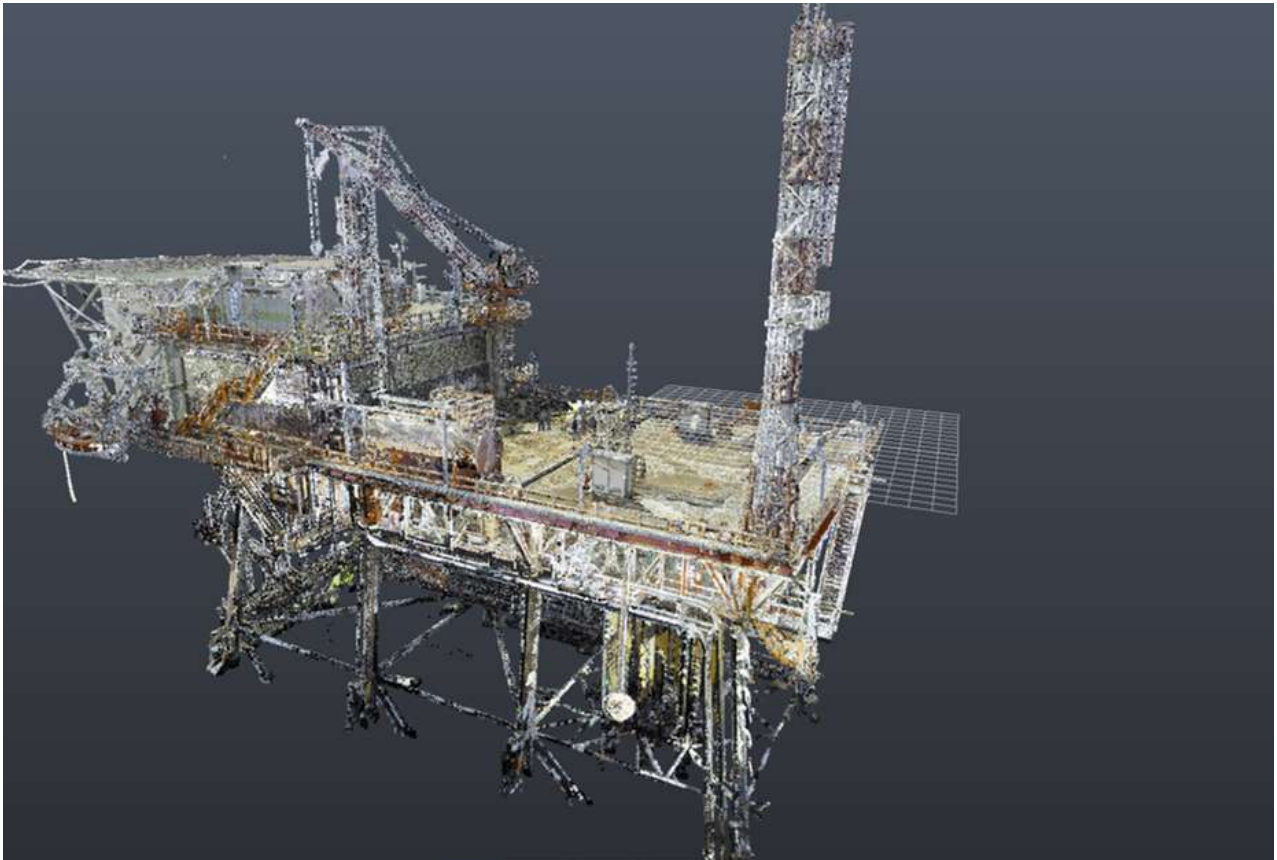
HISTORIC BUILDINGS

Laser Scanners and Drones are used to quickly obtain a complete point cloud of the buildings of interest. From this-and as needed-BIM models, 2D graphical renderings or simplified 3D models are then produced to serve as the basis for subsequent design or securing.

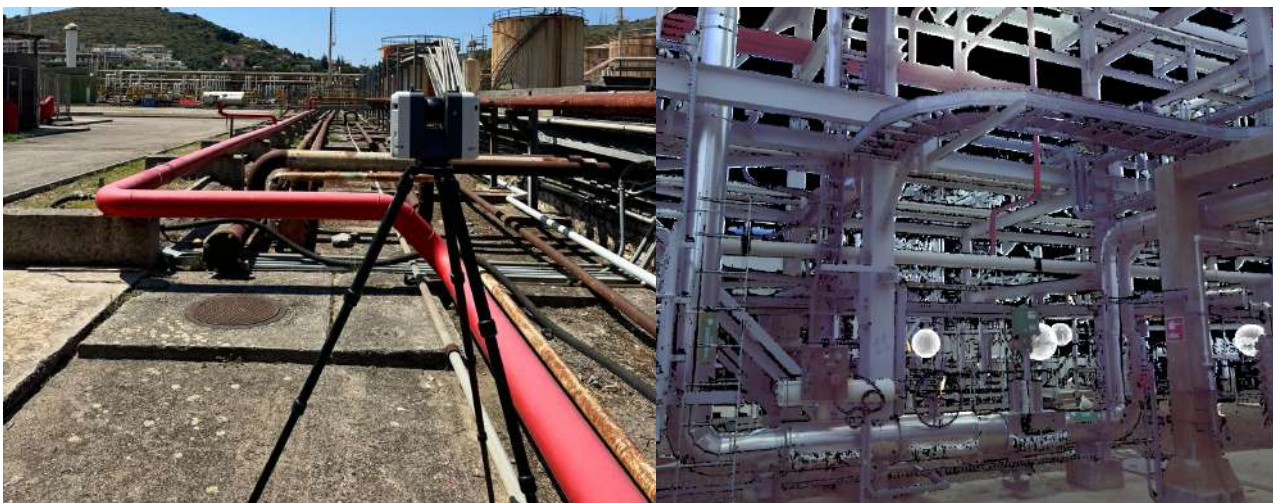


OFF - SHORE E ON - SHORE

The use of SAPRs (drones) is of great use for reconnaissance of the status and state of degradation of offshore platforms and facilities composed of elements that are difficult to inspect by traditional methods.

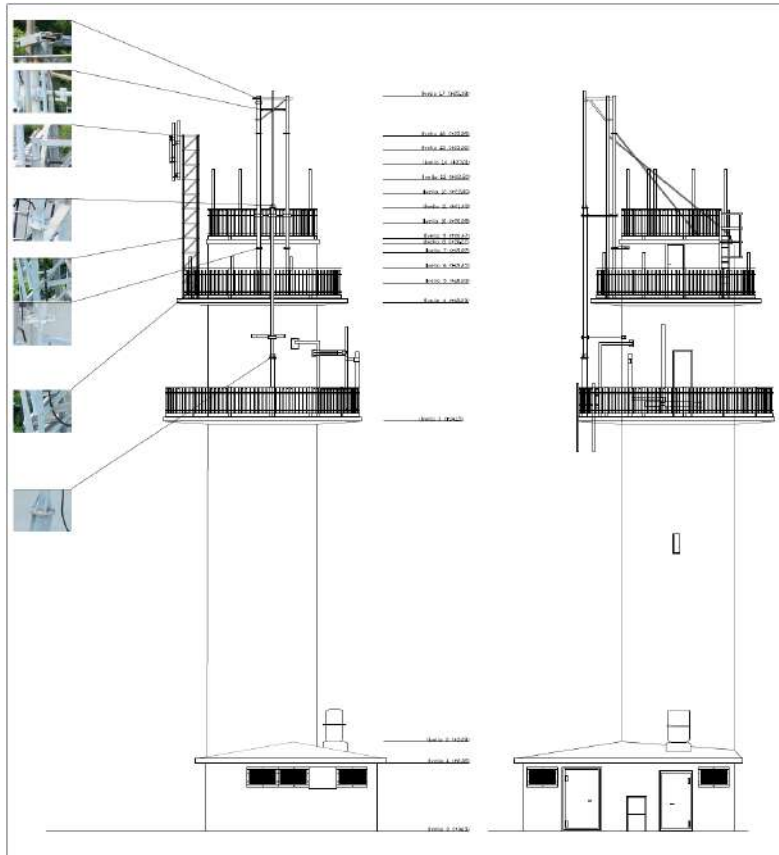
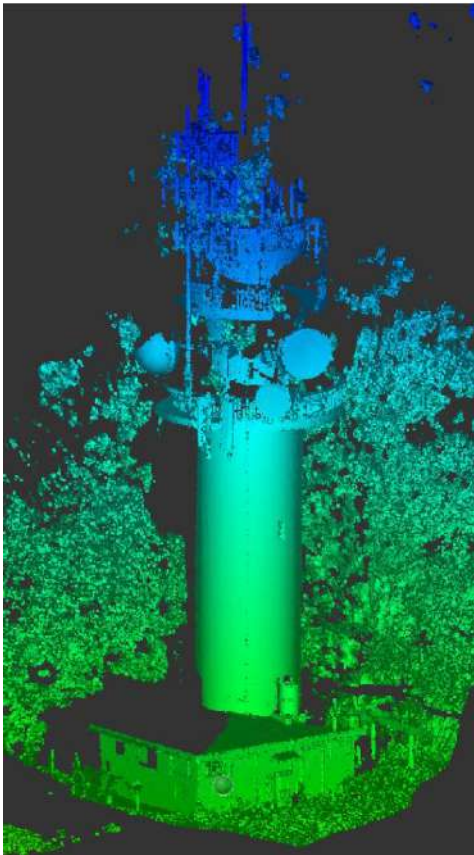


Such surveys are usually carried out through drone flights approaching structures followed by close laser scans to obtain color and high-density point clouds, which are aligned and recorded during processing to obtain a scannable, dimensioned model and allow 2D-3D modeling of the state of affairs.



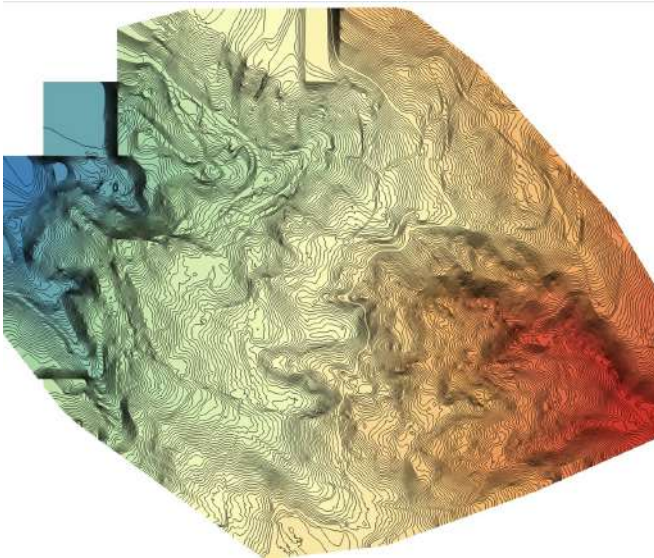
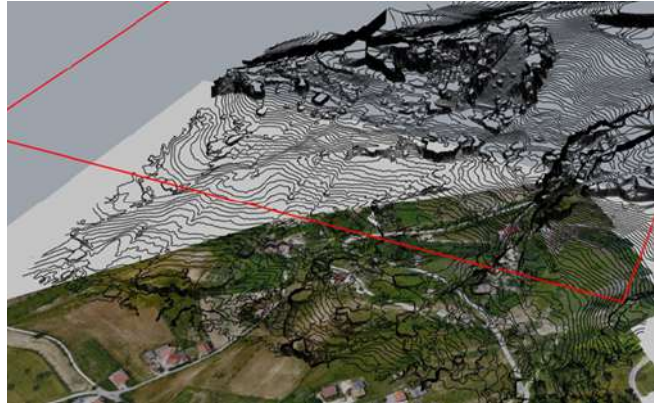
PYLONS

SAPRs (Drones) with high-resolution cameras are used to conduct manual flights close to the artifact to be surveyed. The experience and qualification of the Pilot Operators involved makes it possible to take full advantage of the techniques of photogrammetry to survey the elements at altitude, bringing them as close as possible but avoiding the unnecessary risks of inspections and physical measurements at altitude. A 2D/3D model of high accuracy and complete in every part is obtained, as well as explorable and usable for different design applications.



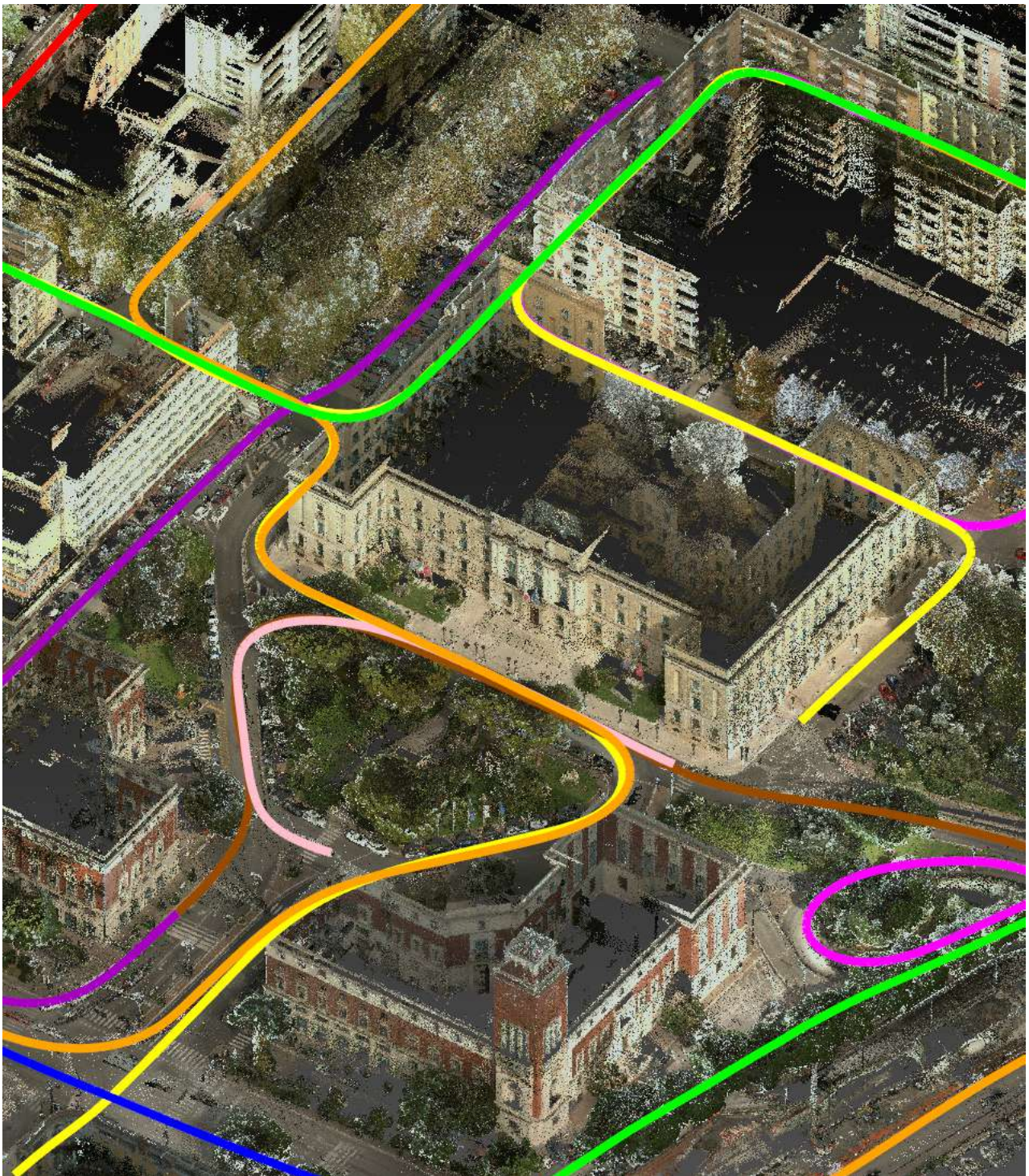
TERRITORY

Surveys of landslide fronts, outcomes of seismic events or hydrogeological disruptions, bathymetric surveys, monitoring of areas at risk, survey of historic villages, surveys for the design of energy production facilities



MOBILE MAPPING

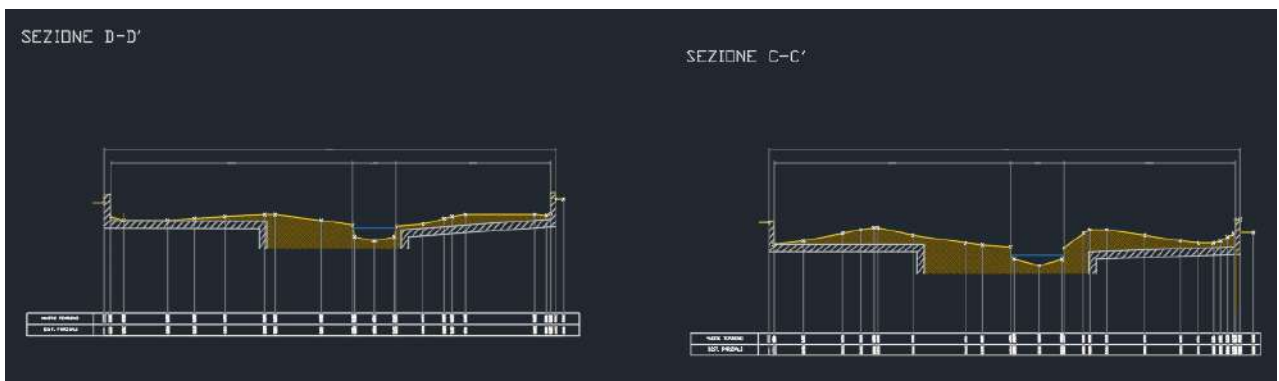
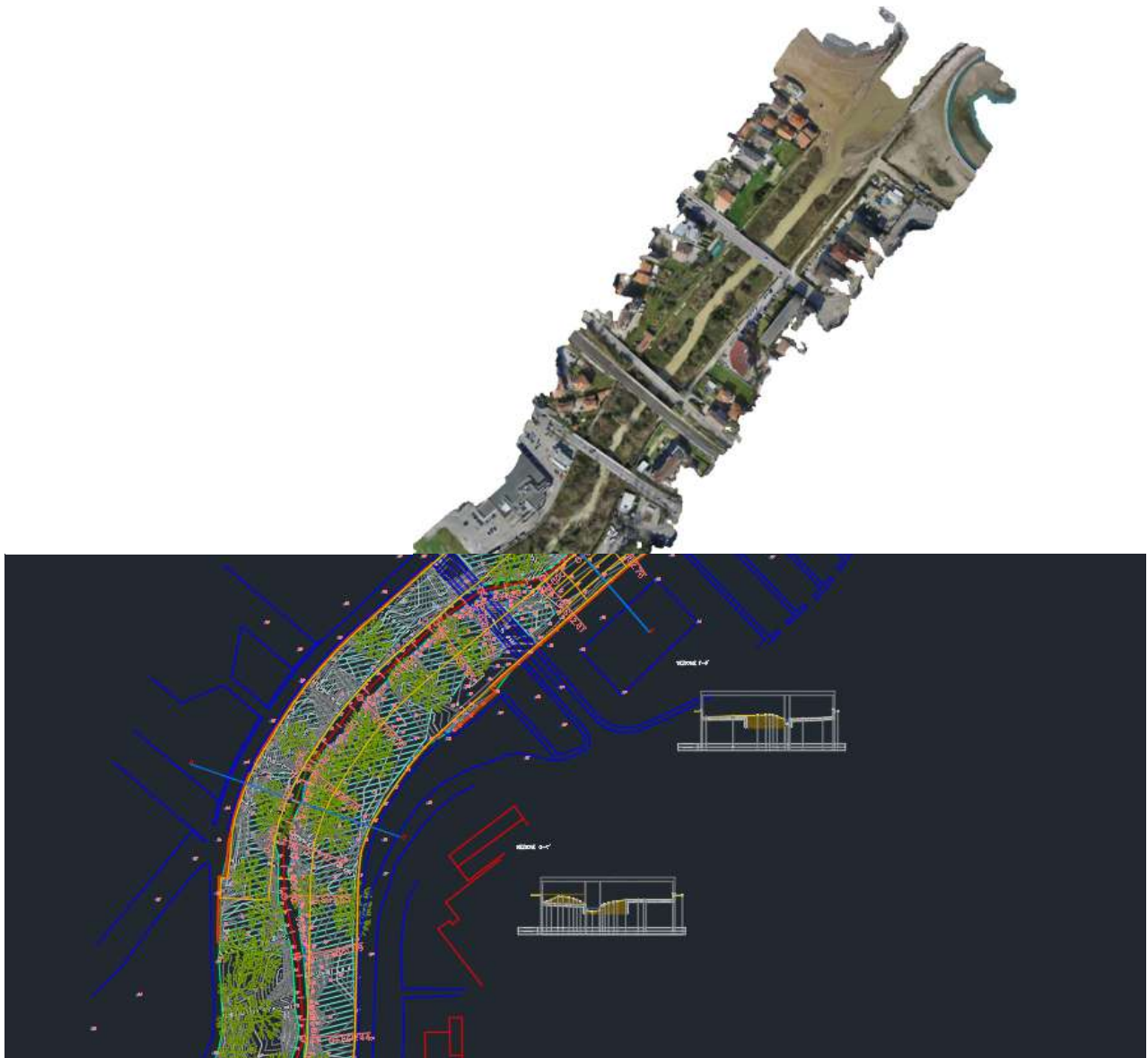
We use mobile mapping technology to ensure accuracy and speed in our surveys. We are able to collect detailed data quickly and efficient, improving the safety and reliability of our operations. Thanks to the GPS antenna, every survey is georeferenced with pinpoint accuracy. Installed on a machine, the Orbis allows large areas to be covered in a short time, ensuring continuous and moving measurements without interruption.



BATHYMETRIC SURVEYS

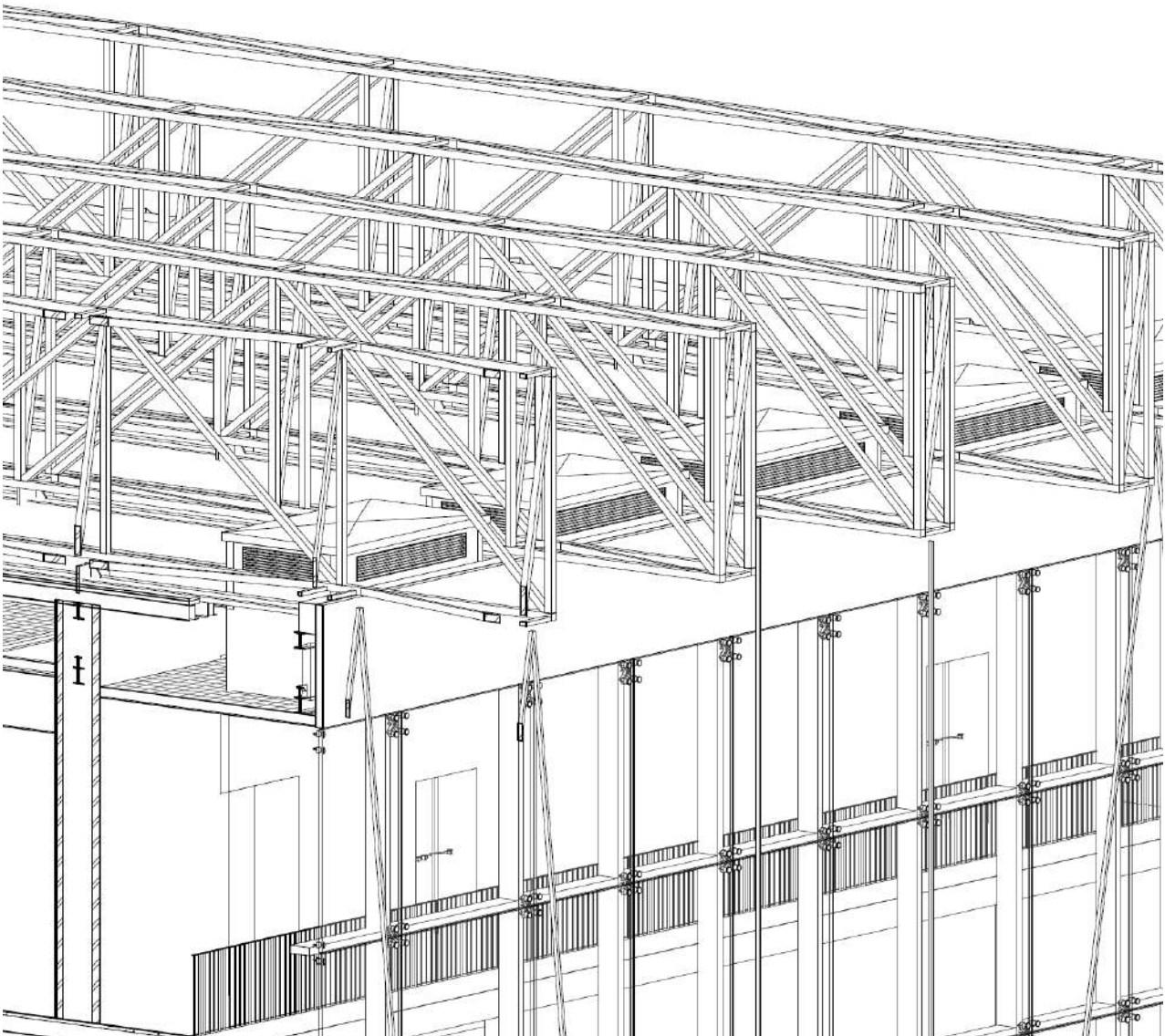
Take Over offers advanced solutions that combine cutting-edge technologies such as the use of the Apache system and state-of-the-art drones.

Our mission is to provide accurate and reliable data to support projects in the environmental, engineering, and maritime fields.



BIM MODELS

We conduct drone and laser scanner surveys, providing high-precision digital restitutions in a BIM environment. Our highly qualified team boasts recognized certifications as BIM Manager, BIM Specialist and BIM Coordinator, ensuring expertise, reliability and an integrated approach to projects, including the production of as-built documentation





Mr. Lami F.
CEO



Mrs. Bucci A.
CTO
Architect - BIM Coordinator



Mr. De Michele A.
COO
Architect - BIM specialist



Mrs. D' Incecco V.
Lawyer - CFO



Mrs. Cerbino F.
Architect - Rail Specialist



Mrs. Arces M.
Architect - BIM Specialist



Mr. Maio Masci E.
Surveyor - UAV Pilot



Mr. Di Crescenzo P.
Surveyor - UAV Pilot



Mrs. Molle L.
Executive Assistant



Mrs. Lubrano C.
Marketing and communication



Mr. Lami J.
Chief Risk Officer - CAMS
AML A CERT CISM

OUR EQUIPMENT

3D LASER SCANNER



LEICA RTC360



FARO S70 Premium

MOBILE MAPPING



Faro Orbis
DRONES



Leica Pegasus TRK100



DJI Mavic 3 Enterprise RTK



DJI Phantom 4 RTK Pro



DJI Mini 4 Pro



DJI Inspire V 2.0



DJI Matrice 350RTK



DJI Mavic 3 Pro



DJI Avata per ispezioni FPV



Multiinnov Stereo2



DJI Matrice 4E

PRECISION TOOLS



Esurvey E300pro



Zenith55 Ricevitore GNSS



Zoom75 con X-PAD

HARDWARE

Server Rack NAS Synology 9 Bay 36 Tb

1

- Processor: Intel I9 3950 HX
- RAM: 128 GB
- Operating system: Windows 11 Pro
- Video Card: NVIDIA RTX 3500 ADA 12GB VRAM

2

- Processor: Intel Core i7-12700F, 2.10 GHz
- RAM: 32 GB
- Operating system: Windows 11 Pro 64-bit

3

- Processor: Intel Core i9-13900K, 3.00 GHz
- RAM: 64 GB
- Operating system: Windows 11 Pro 64-bit

4

- Chip: Apple M1 Max
- Core: 10 total (8 performance, 2 efficiency)
- RAM: 64 GB
- Operating system: macOS Sonoma

5

- Processor: Intel Core i9-10900, 2.81 GHz
- RAM: 32 GB
- Operating system: Windows 11 Home 64-bit

6

- Chip: Apple M1 Ultra
- Core: 10 total (16 performance, 4 efficiency)
- RAM: 128 GB
- Operating system: macOS Sonoma

7

- Processor: Intel Core i7-12700F, 2.10 GHz
- RAM: 32 GB
- Operating system: Windows 11 Pro 64-bit

8

- Processor: Intel Core i9-10980XE, 3.00 GHz
- RAM: 128 GB
- Operating system: Windows 11 Pro 64-bit

9

- Processor: Intel Core i9-10900, 2.81 GHz
- RAM: 32 GB
- Operating system: Windows 11 Home 64-bit

10

- Processor: Intel Core i9-13900K, 3.00 GHz
- RAM: 64 GB
- Operating system: Windows 11 Pro 64-bit

11

- Processor: Intel Core i7-10700K, 3.70 GHz
- RAM: 32 GB
- Operating system: Windows 10 Pro 64-bit

12

- Processor: Intel Core i5-1340P, 1.90 GHz
- RAM: 16 GB
- Operating system: Windows 11 Home 64-bit

SOFTWARE

- Autodesk AEC Pack
- Adobe Suite
- Rhinoceros 3D
- Agisoft Metashape
- Leica Cyclone Enterprise
- Faro Scene 3D
- Office Suite

CERTIFICATIONS

- The technicians employed to carry out the survey flight are licensed pilots in possession of regular ENAC authorization.
- Take Over holds UNI EN ISO 9001:2015, and ISO/IEC 27001:2022 certifications as evidence of 'commitment to quality, safety and excellence in business processes.



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