

FARO LASER SCANNER

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## LASER SCANNER

The LASER SCANNER can scan large and distant objects and up to 130 meters away and in direct sunlight. With its integrated GPS receiver, the laser scanner is able to correlate individual scans in post-processing with the maps already on the market.



## Common applications of 3D Surveyings Laser scanner

As-built reliefs using 3D laser scanning technology, provide users with detailed point clouds which enable 3D modelling for different tasks including building reconstruction, plant layout and enhanced data presentation with augmented reality.

Architectural design, civil engineering and construction, facility management and cultural heritage have large benefits from 3D solutions.

- AS-BUILT SURVEY



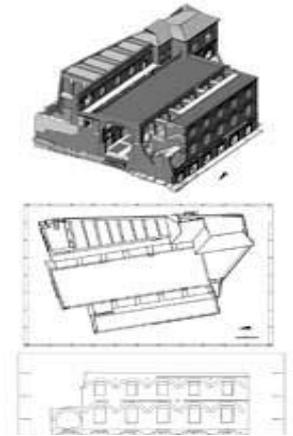
## Common applications of 3D Surveyings Laser scanner

3D laser scanning can provide with detailed 3D models which accurately document entire facilities and their assets, such as power components, machinery and pipe work. This scan data can be used for building management, collision detection for retrofits, as-built documentation for CAD modelling and other plant design tasks.

## • LAYOUT ANALYSIS

To get an immediate overview of the proportions, it is possible overlay the scanned model against design .

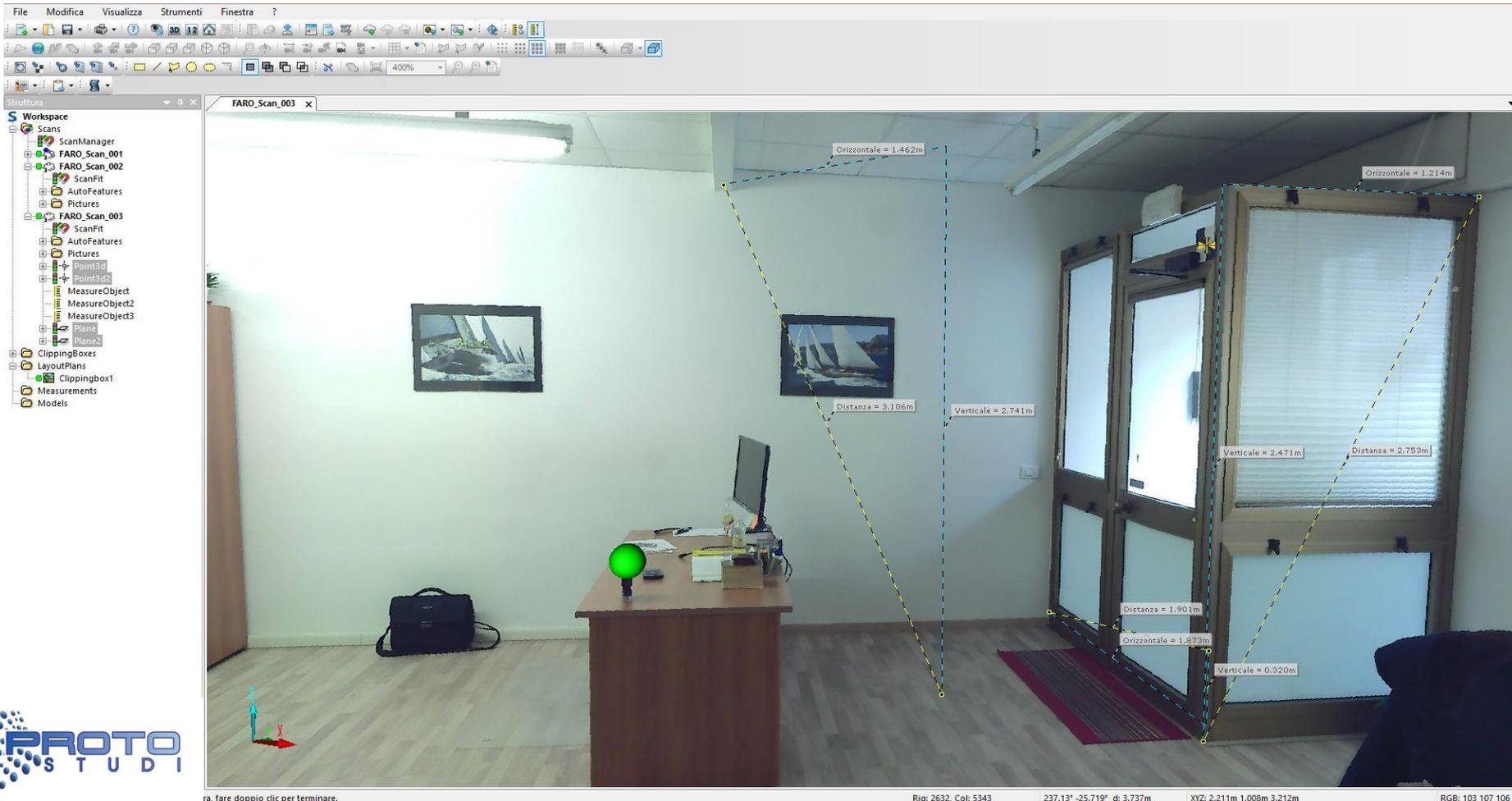
Another special feature is re-modelling of the building structure according to the scanned reliefs.



## Common applications of 3D Relief Laser scanner

- **DIMENSIONAL ANALYSIS**

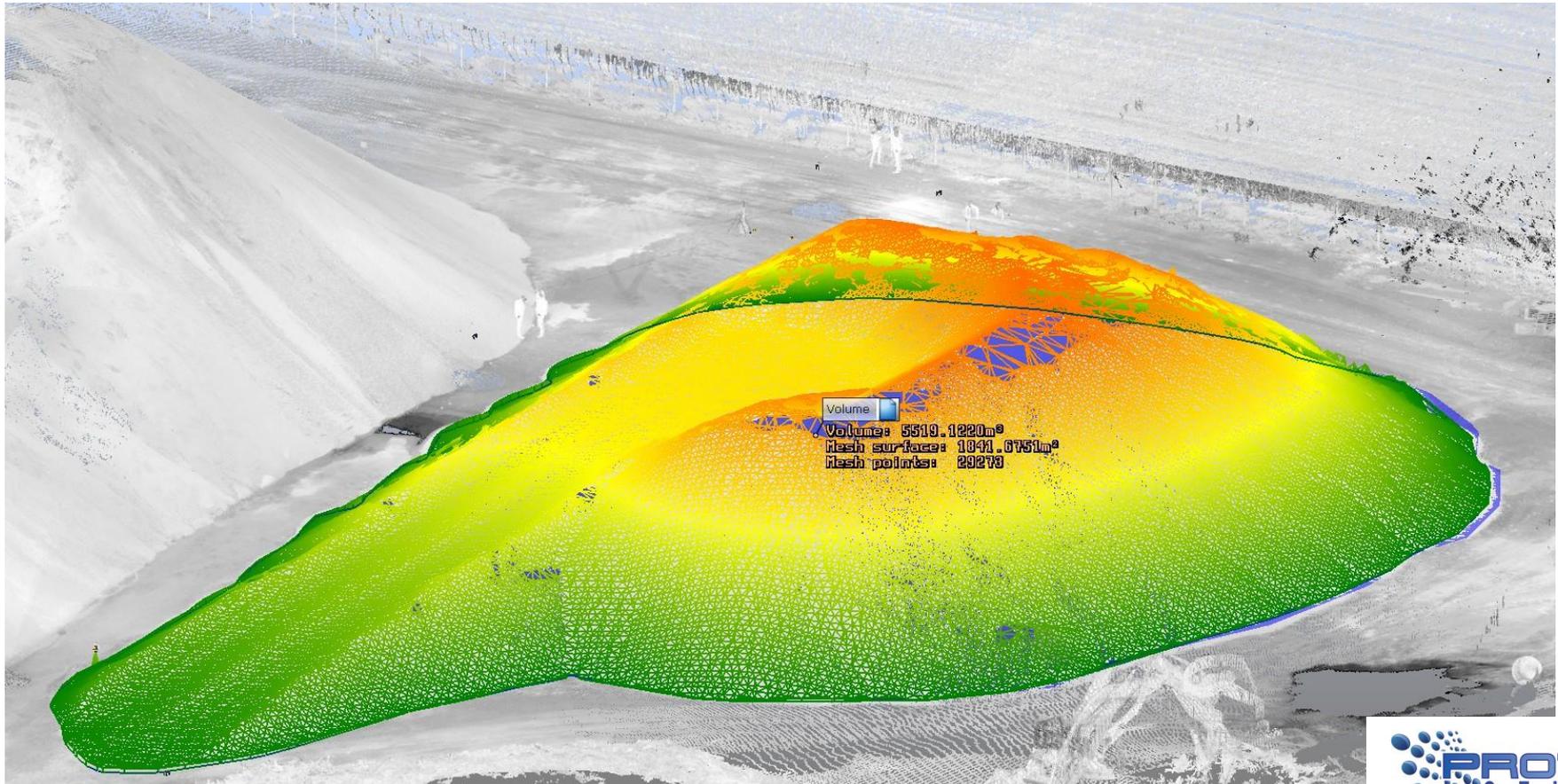
Laser scanner allows you to take direct measures on the scanned object, by first post-processing. You can survey the inclination between wall and floor or for example a distance between two generic walls by fixing two generic points, having a direct and realistic control on the objects scanned.



## Common applications of Relief 3D laser scanner

- **VOLUMETRIC ANALYSIS**

Another particular application of the laser scanning that we are able to offer is the volumetric survey both excavations or carryover of materials more or less coarse and varied such as, for example, sand, gravel, machining chips of wood and steel, etc. . The accuracy of the data obtained is almost absolute and is accompanied by a three dimensional view of the detected area.

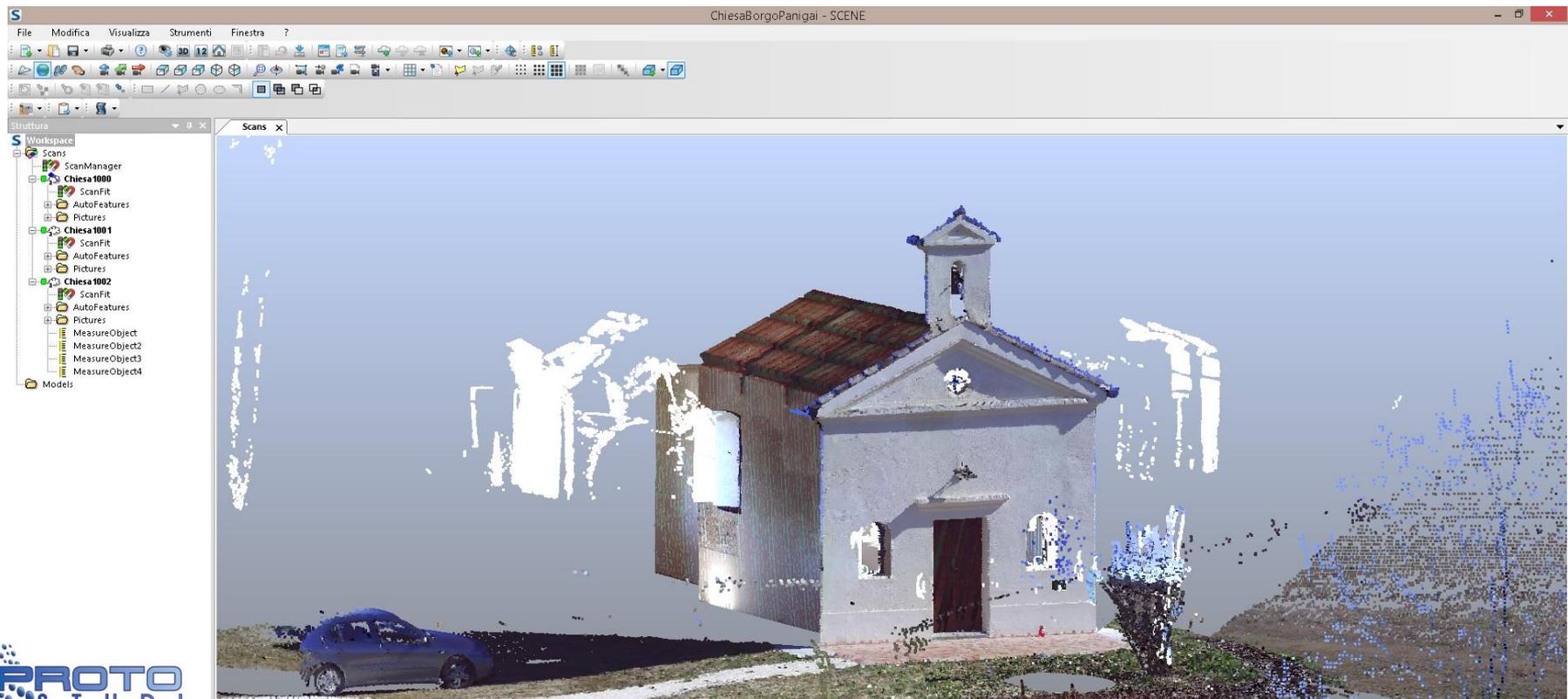


# Common applications of Relief 3D Laser scanner

- **THE OVERVIEW**

The ability to build internal and external scans of a building allows to have, in post-processing, a realistic and detailed overview of the actual state of the scanned object.

The ability to generate orthophotos according to any plan or even the entire scan, enriches the wide range of applications of 3D laser scanner.





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