

# DRONE TO PERFORM 3D SCANNING (GHENOVA)

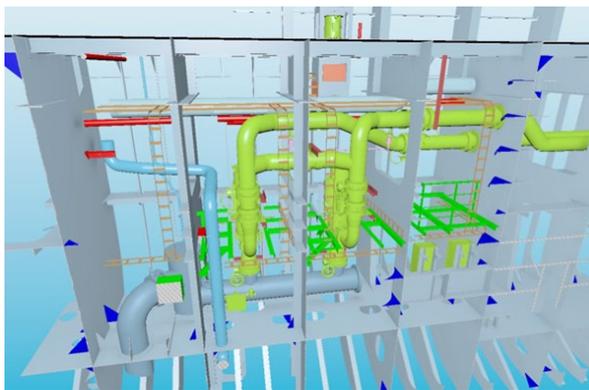
The use of technologies linked to 3D Laser scanning and Lidar are giving to the shipyards a very powerful tool not only for 3D modelling and reverse engineering, also by means the use of specific tools gives the possibility to be useful on the production control.

## Involved partners



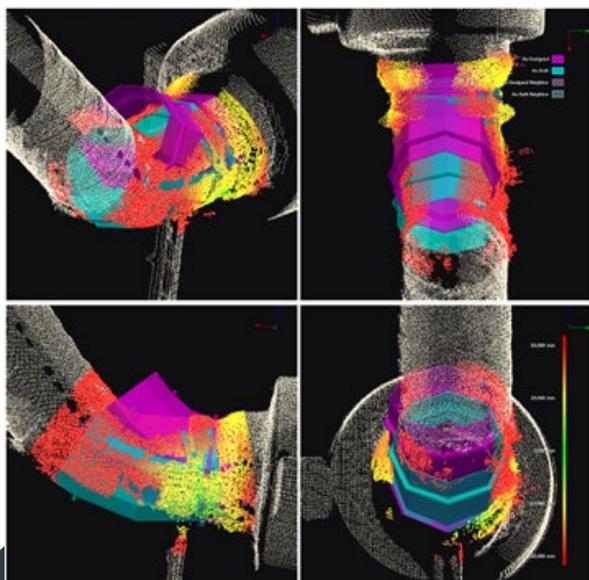
## Applications

### Retrofit:



Piping modeled over 3D point cloud

### Production control:



Differences between 3D model and reality by using 3D scan

## Technology

Three different technologies are combined to create the collaborative solutions:

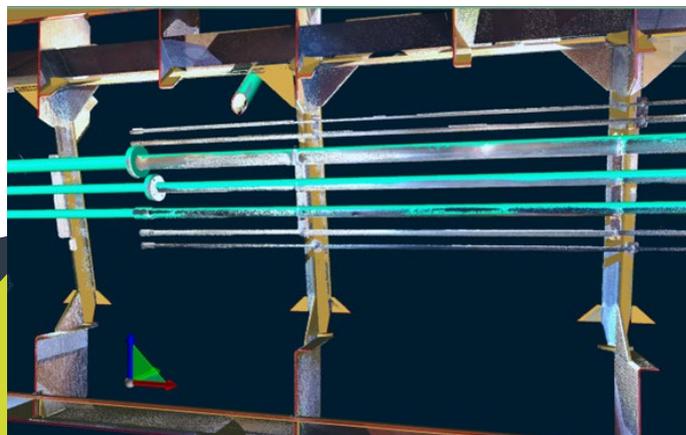
- 3D scanning by means of 3D laser scan.
- 3D scanning by means of Lidar scan.
- 3D scanning by means of photogrammetry.

### As built information:



Combined 3D laser scan with lidar

### Advance control:



Scan over 3D model