

Teak deck prefabrication: deck forms production

Overview

METRICA team accomplished 3D scanning measurements of two luxurious yacht decks with the use of terrestrial laser scanner technology.

Using the dense point cloud, our team produced general forms of the deck geometries and delivered to the project engineers the 2D unfolding drawing. Polylines and splines were smoothed and inserted to CNC for further creation of the prefabricated teak deck.

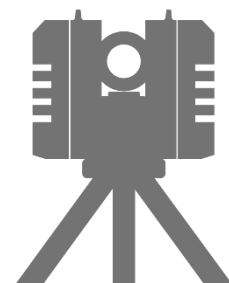
For these measurements, our team used Leica ScanStation P20 and the dynamic software Leica Cyclone & Leica Cloudworx to process the point clouds and deliver the final drawings.

Fieldwork: 3 days, 2 engineers

Office work: 10 days, 2 engineers

Deliverables:

- 2D unfolded drawings of the yacht teak decks



Benefits of methodology

- As-built surveying of ship geometry
- Drawings can be used for future activities/repairs
- Accurate and faster results than traditional methods