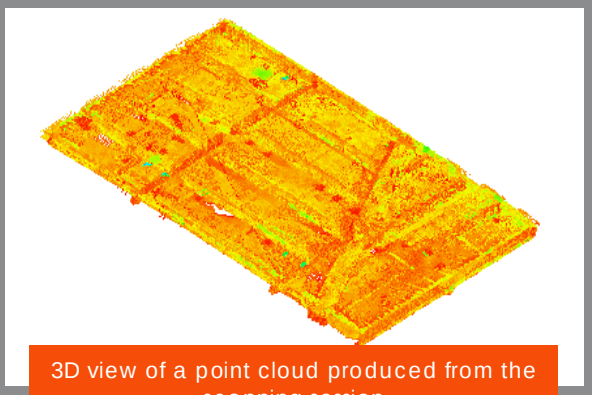
COMPANY'S EXPERIENCE – INDUSTRIAL APPLICATIONS

- Construction and Geometric Verification of Opera' s Ferrocement Canopy Panels, Stavros Niarchos Foundation Cultural Center

  - Concrete panel's 3D model creation.
  - Measurements of the geometric information from the transverse and longitudinal sections at predetermined points.
  - High accuracy requirements for the construction and control of the panels – limit of 2mm
  - Each panel's geometrical verification of the following parameters :
    - Distance between the ribs (vertical beams)
    - Deviations of ribs axes
    - Width of the ribs
    - Distance between the beams
    - Deviations of beams axes
    - Width of the beams
    - Flange thickness

A typical ferrocement panel

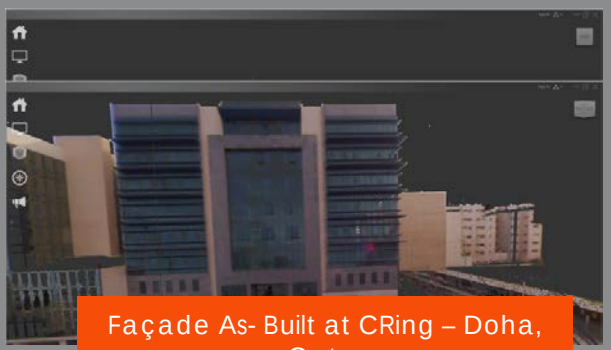


3D view of a point cloud produced from the scanning session

- Façade As-Built Survey at CRing – Doha, Qatar

  - Low time of data acquisition comparing to classical methods
  - Non-invasive method for collecting data
  - Optimum cost of works
  - Authentic, full and accurate 3D copy of reality
  - 2D and 3D documentation for engineers, structure designers, architects.
  - Production of 2D drawings or 3D models for refurbishment and restoration project, compatible with all CAD software.
  - Structural details – complex documentation based on the accuracy and large volume of data
  - Reconstruction of complex architectural elements
  - Internal building survey for floor plans
  - 3D urban modeling for planning studies
  - Detailed architectural scanning for preservation
  - BIM model creation

Façade As- Built at CRing – Doha, Qatar



Façade As- Built at CRing – Doha, Qatar