

Multi Range Multi-D Imaging



Historic and Heritage Preservation through Digitization

In the digitization world of SCDS, preservation is the creation of 3D digital products worth maintaining over time. SCDS offers a complete package of services and solutions, and provides support and technical expertise for the creation, maintenance and analysis of the historic heritage.

Technological Features and Performances

- o Accurate Data Collection via Contactless Multi-Range 3D Laser Scanning of any historic site, building, object or artifact
- o Data Processing, 2D/3D Modeling, Rendering and Animation of the virtual objects
- o Custom Programming – customized solutions for unique preservation applications

Efficient Solutions for:

- o Studying, documenting, classifying and promoting the cultural, architectural and archeological heritage
- o Accurate records of rapidly deteriorating sites can be saved for posterity; collecting accurate data and collating it into global databases of related sites, monuments and objects, with relevant information including actual state, surroundings, external and internal features, 2D/3D models, plans and drawings, rendering and animation
- o Creating comprehensive base datasets by which site managers, archaeologists, and conservators can monitor sites and perform necessary conservation and restoration work to ensure physical site integrity
- o Creating new ways to document historic sites/artifacts and to make this data more accessible, to preserve visual and technical components, and to enhance the documenting standards
- o Archaeological analysis

Available Export Formats:

- o DXF/DWG, IGES, STEP, STL, Mesh-type, ASCII

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