



Digital Documentation of Archaeological Dye-House

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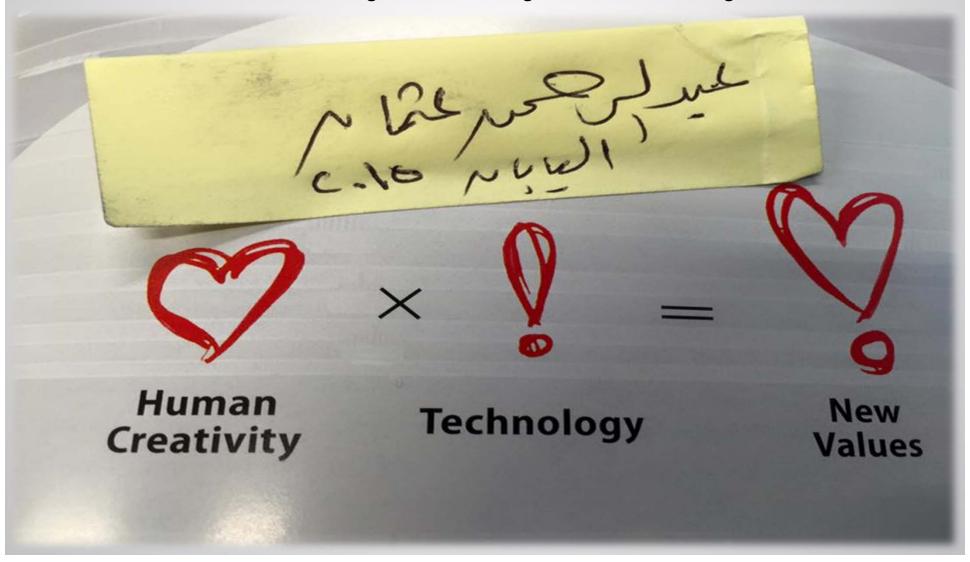
Introduction



Museums plays great roles in documenting the world's cultural heritage. It not only attempts to document tangible or intangible collections but also can document archaeological site.

Museum & Digital technology

There is an urgent need for museums and digital technology to work together to add new values for tangible and intangible cultural heritage





Fatimid archaeological Dye-House



Digital Documentation Project

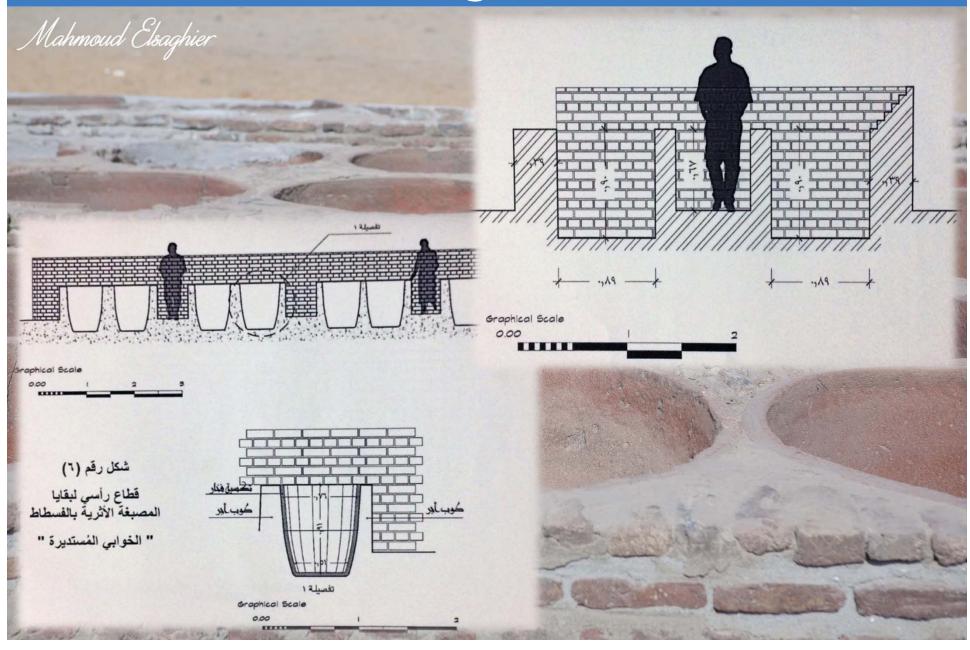




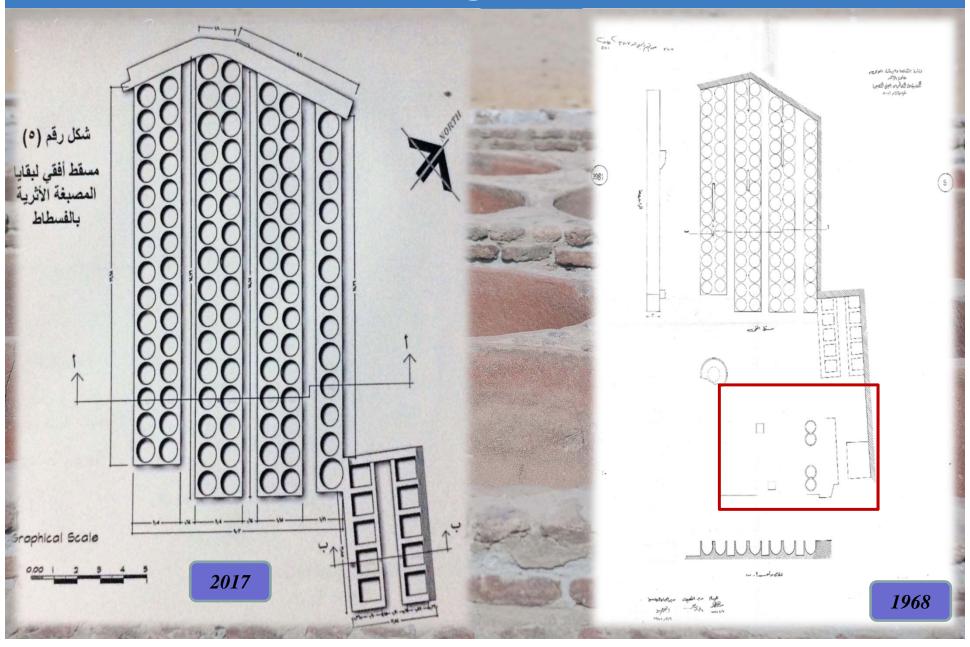
Archaeological Studies



Archaeological Studies



Archaeological Studies



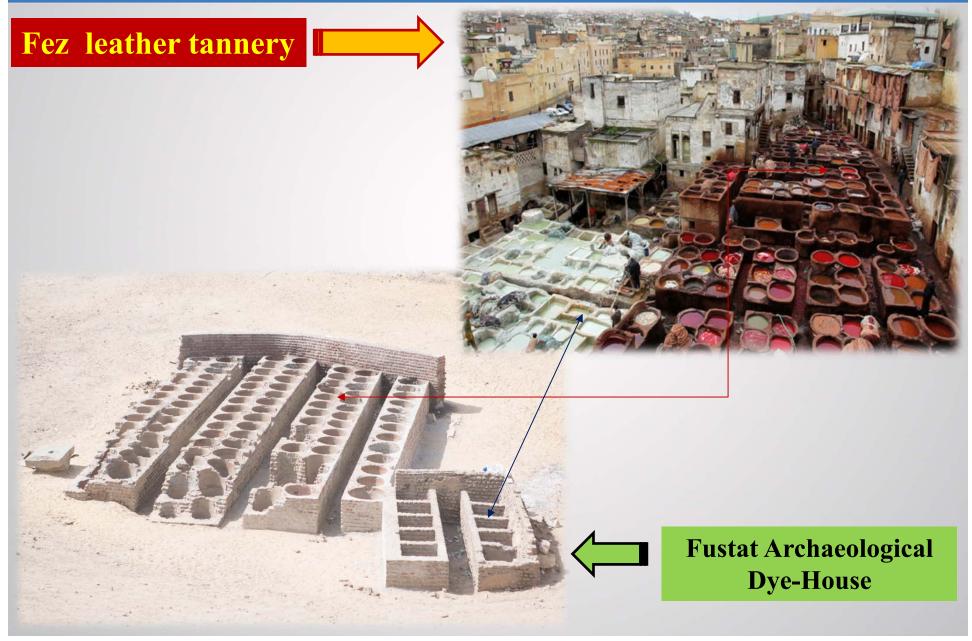
Anthropological Studies

Dye-House

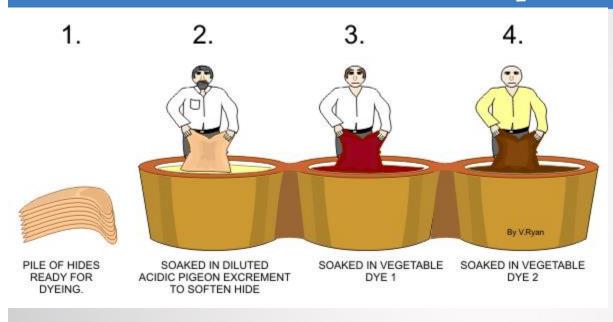


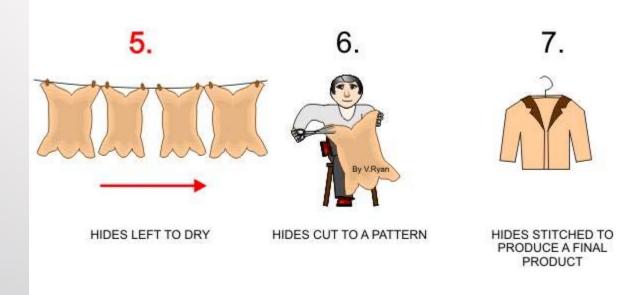
leather Tannery

Anthropological Studies

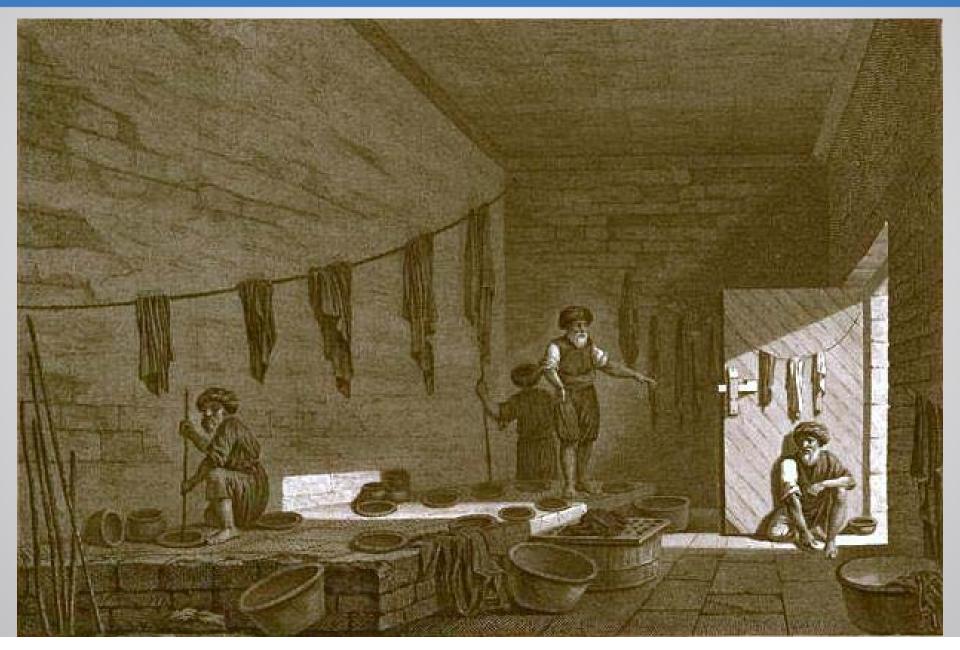


Leather Tannery techniques





Dye-House techniques



Anthropological studies







Field Study in the oldest leather Tannery in Fustat Mohamed Grade, 1950







Anthropological studies







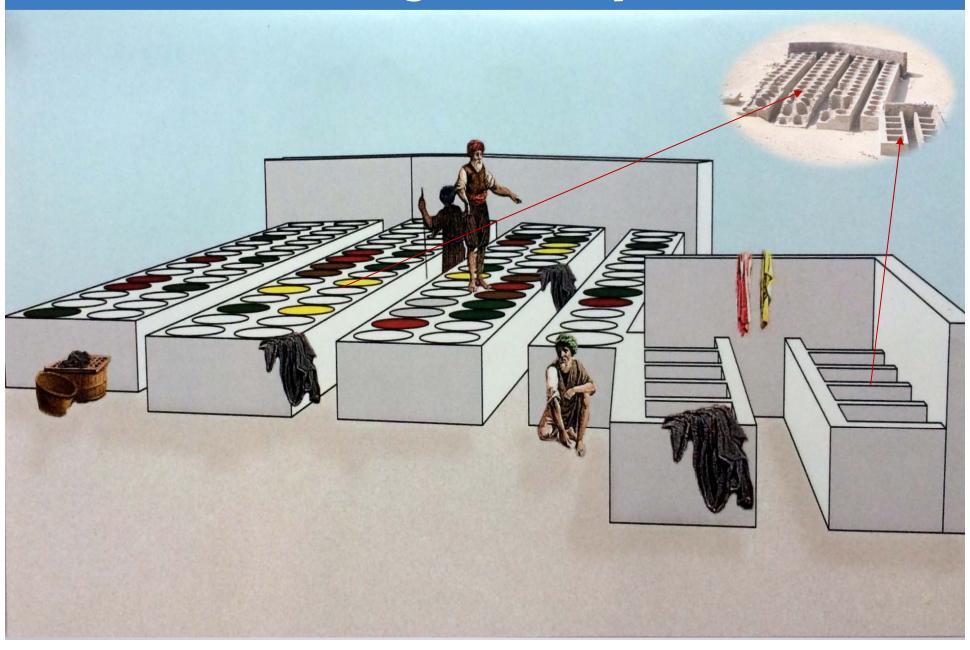
Field Study in the oldest modern Dye-House in Cairo Salama Ahmed, 1901







Reimagine techniques



Photogrammetrical process











Photogrammetry is the conversion of the archaeological site into a three-dimensional model - a comprehensive study of the site - measurements for each wall and basins - method of construction - type of materials have been used.

topographical documentation of the site in minutes such as contour maps - elevations - architectural maps - sectors and virtual reality and accessible for special needs

Photogrammetry output

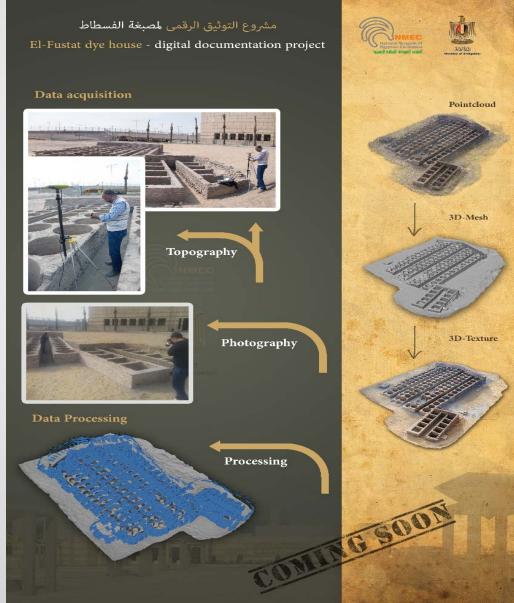














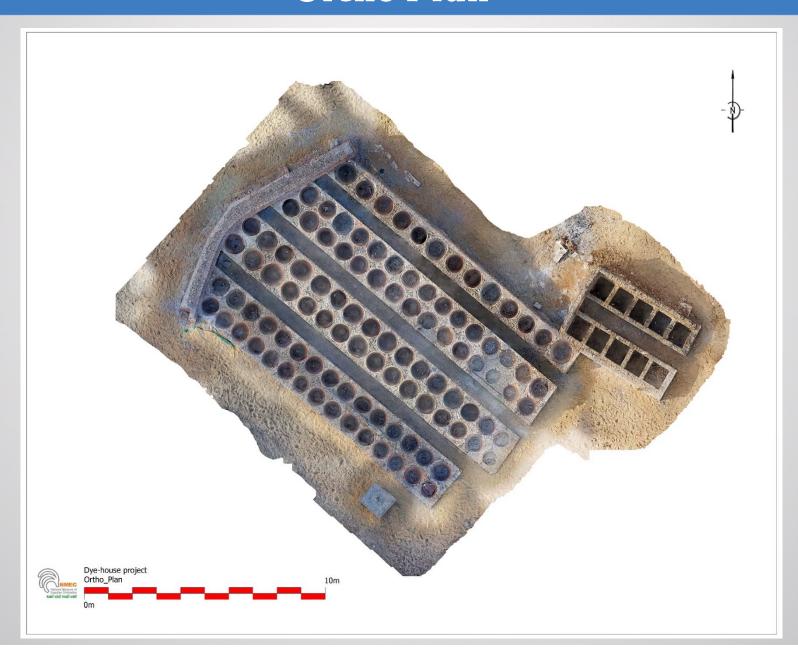




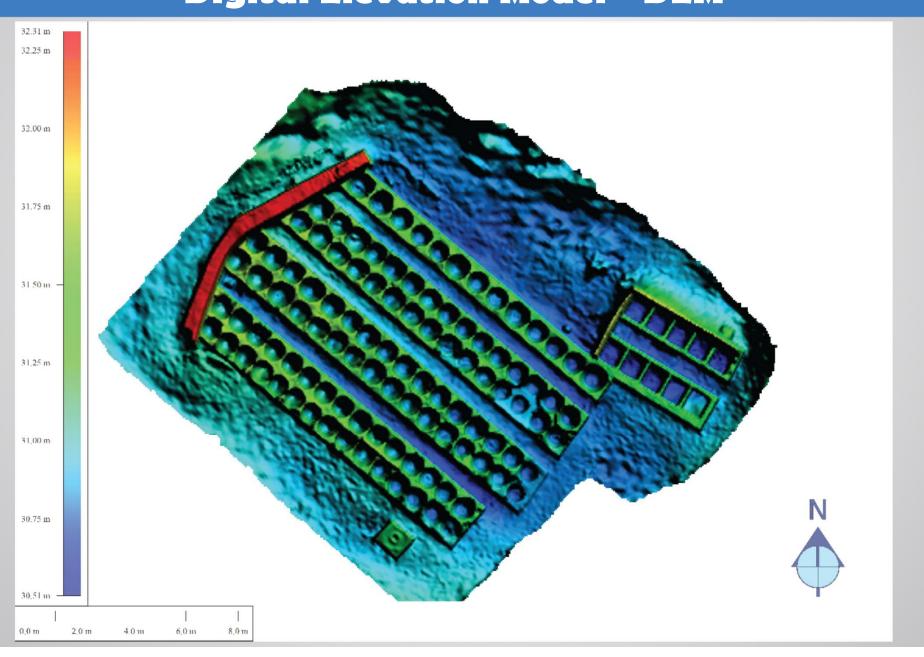




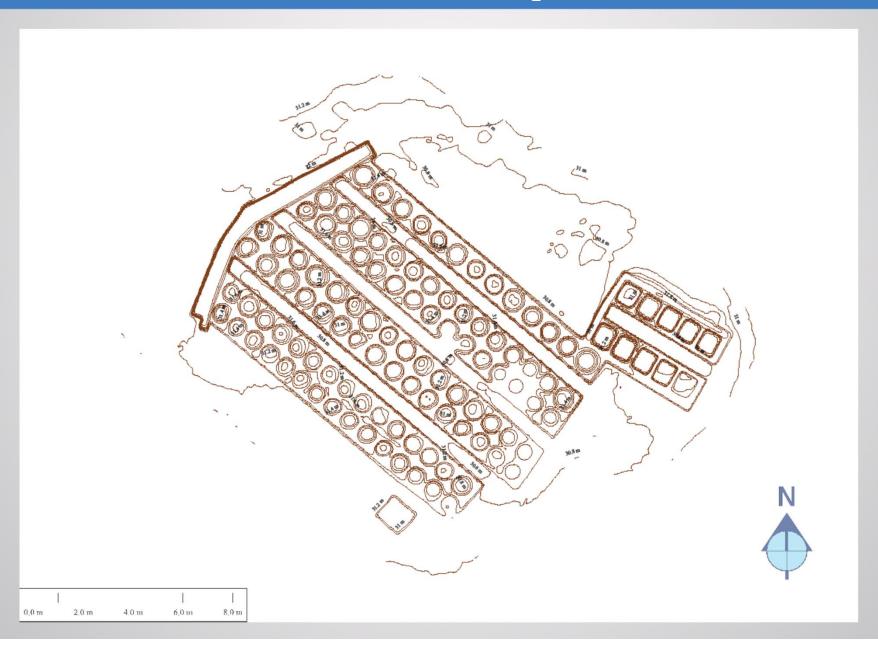
Ortho Plan



Digital Elevation Model - DEM



Contour Map



East Elevation



North Elevation

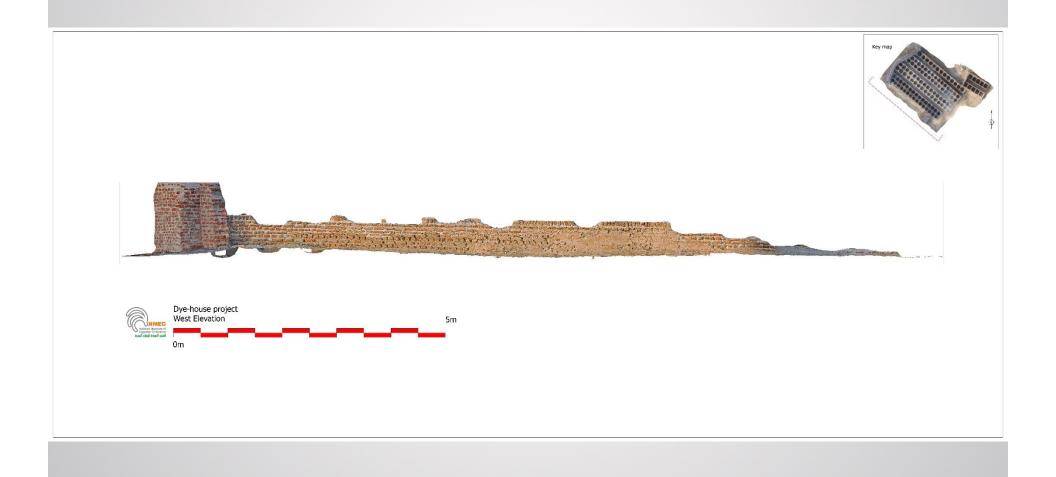








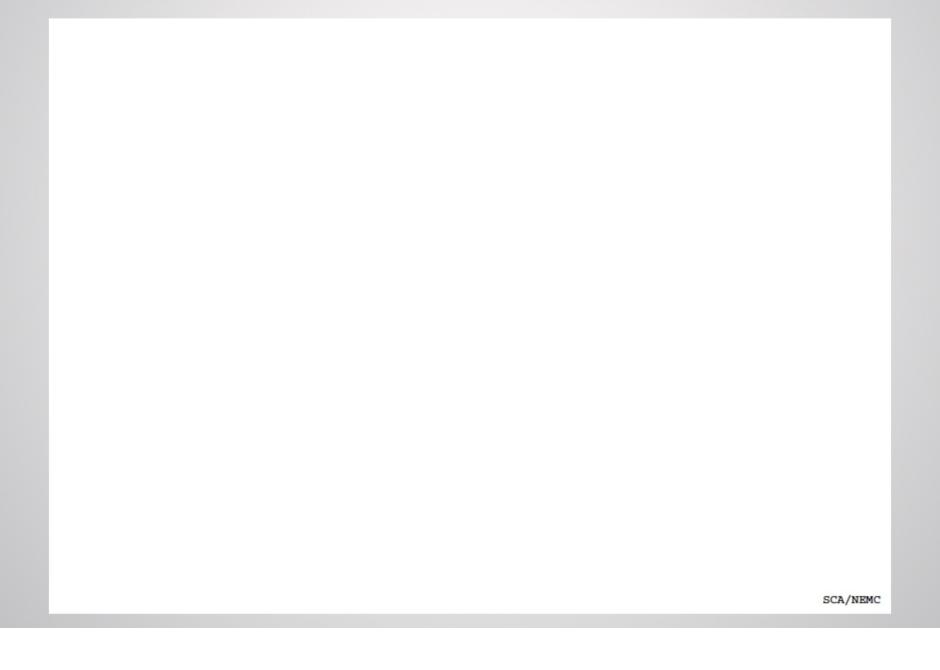
West Elevation



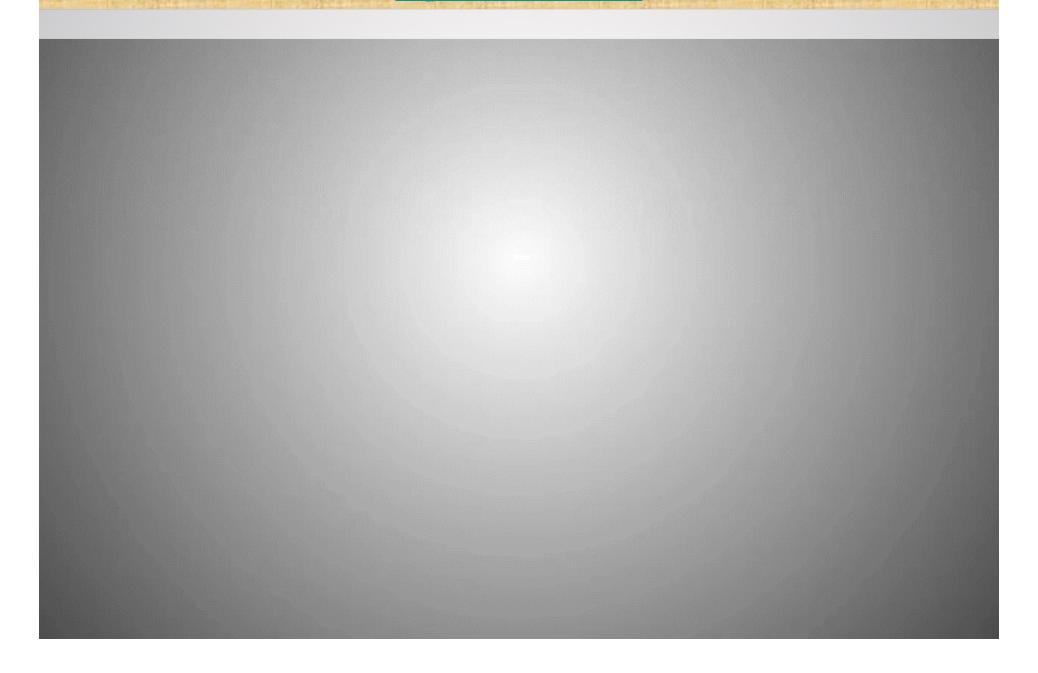
Over view







Dye house LD



If you are interested in photogrammetry techniques and need any help in your museum or archaeological site, you can contact with:

Mr. Mohamed Abd El Aziz

3D Scanning & photogrammetry specialist

mo.azizcealex@gmail.com



