

Erbil's overhead view Erbil's overhead view Erbil's overhead view Erbil's

Erbil citadel's Studies for conservation and restoration

Erbil, Iraq

CLIENT	UNESCO
PROJECT DATE	2011-2012
LOCATION	Erbil, Iraq
FIELD OF ACTION	Inspection, research, analysis & restoration project

Erbil Citadel Town is situated on top of an artificial, 32-meters high earthen mound, and visually dominating the expansive modern city of Erbil. It is believed to have been in continuous existence for 7000 years or even more. Thus, it may be regarded as the oldest continuously inhabited settlement in the world.

The Citadel is an elliptical shaped town covering slightly more than 10 hectares of dense fabric composed mainly of traditional court-



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yard houses and built in ochre-colored bricks

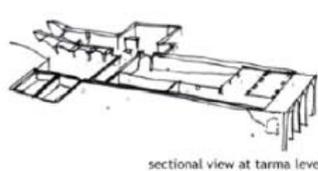
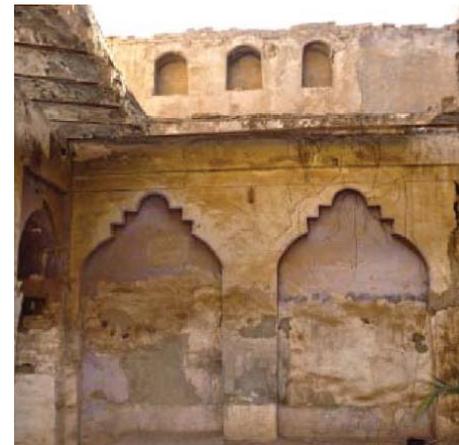
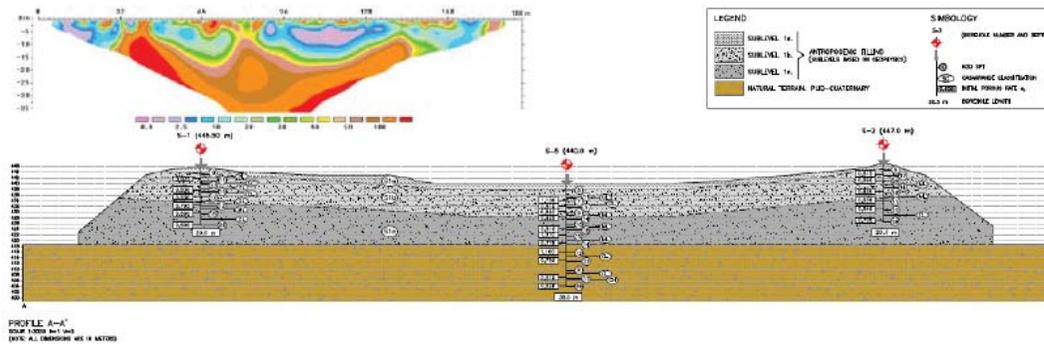
Ines Ingenieros was requested by the UNESCO to do the studies for the conservation and restoration of eight building groups at the citadel. The project involved an extensive series of studies and investigations carried out by an international and a local team.

These studies included, for each building group, topographical survey, historical research, architectural documentation and analysis, geotechnical studies and structural studies: sampling and analysis of the building materials, foundations and soil studies, report on damages and deterioration patterns, assessment of the structural stability...

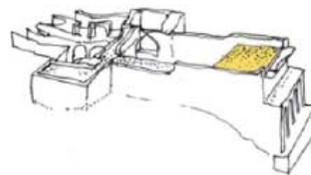
The first document was the report survey and architectural and photographic documentation for all the buildings.

After that, an architectural research and analysis was done to study the buildings' history and the changes that had occurred on it over the time.

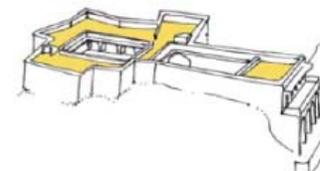
Then, the sampling and laboratory analysis of the existing materials was done to characterize their properties.



sectional view at tarma level



present state (December 2011)



Shape as it appeared in 1947-1951



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