



## **METHODS AND TECHNOLOGY TO PRESERVE FOR LONG LIFE ISLAMIC HERITAGE**

***There are not standard methods for the heritage preservation but specific technics applied after a deep investigation and according to the defined pathology.***

Every heritage item (town, building, monument, mosque, statue, cemetery, archaeological finding, excavation, museum objects, paintings, books, etc) have to be singularly studied before any intervention because they are surely all different, one to another, for their epochal time, history, material, decoration, importance, location, art and meaning.

***For these reasons the preservation and conservation project (design) must be absolutely unique.***

For what my speech is concerned, referred to the title of this paper, the heritage identity is not related to the religion and art or architecture belonging.

Many experiences carried out on Christian churches, for example, are easily comparable to the Mosques for what the structural consolidation and the surface cleaning and protection is concerned.

But also these comparable experiences are limited to the methods and techniques applicable to some rare material and architectural similarity. As we did anticipate everything depend on the diagnosis and scientific investigation.

In principle, to elongate the life of an Heritage item, we must save it from structural collapse and soon after from the environment attack depending on the weather and antropic influence to it.

So, as soon as the diagnosis shows primarily the weakness of the structure because of its unstable conditions, then we must take care of the item as a whole in order that its global identity is saved and also its content is saved.

So the static re-composition of the structure is the first step to guarantee his durability but soon after it is compulsory to maintain such a situation by the next step of protection from current pathology which is leaded by **the rain water, the environment pollution and rising dump** mainly from the ground.

All this is important if we have enough knowledge about the risk that the heritage item is suffering from widely unknown seismic event.

<sup>1</sup> 26027 RIVOLTA d'Adda (cr) – via XXV Aprile,1/d – tel.fax. +39.0363.370265 e-mail: [mif\\_48@yahoo.it](mailto:mif_48@yahoo.it) c.f. MZZFNC48T03Z315V



## THIS IS THE TOP ATTENTION TO BE GIVEN FOR HERITAGE CONSERVATION.

We have recently lost an ancient Islamic town in Iran for a predictable seismic event.

### ***IRAN IS A TECTONIC PREDICTABLE COUNTRY.***

In order to avoid an academic listing of methods and technology for heritage preservation, I prefer to illustrate a couple of case studies where some topics are synthetically summarized.

- *Seismic prevention structural consolidation*
- *Waterproofing of the roof*
- *Rising dump interruption*
- *Facade cleaning and protection*

are shown on power point presentation, while

- ***Eritrea***
- ***Azerbaijan***
- ***Italy***
- ***Yemen***
- ***Cyprus***

are the countries taken as sample concept for heritage conservation

Suggestions are also given for endemic investigation and eventual surgery action against seismic event by ***retro-fit*** and ***dumping device*** installation.

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