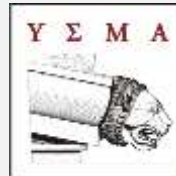




Online interactive application: [The Glafka Project](#)

A slideshow about:

**The method of intervention on the Acropolis monuments -
The structural restoration**



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Information and Education Office

The restoration mainly aims to give architectural members back their original strength in order to continue on their journey. Let's see for instance, the steps of the **structural restoration** on the Parthenon!





Step 1: Sections of the monuments that present serious problems are **dismantled**.



Dismantling of the SW cornice of the Parthenon.



Step 2: Removal of **unsuitable filling materials** and **oxidised iron connecting elements** used during older interventions.



Before



After

Removal of cement supplements of a column drum used during the 1920's interventions.



Damage created by the rusting of the iron reinforcement.



Removal of the rusted iron from older restorations.

Step 3: **Supplements** of new marble are created where necessary.



Construction of modern marble supplements using a pointing device.

Step 4: The ancient and new fragments are **joined** together using titanium rods



Structural restoration with titanium reinforcements



Step 5: After the fragments are joined together the exterior surface of the supplements are hand finished.



Final curving of the flutes on a column drum



Step 6: **Scattered architectural members** which have been identified are often restored and integrated in the ancient monuments.





Step 7: The restored architectural members are **repositioned** in their place.



Resetting an ancient column capital of the north colonnade.



Resetting a copy in artificial stone of the west frieze in its place on the monument.



Resetting an architrave block of the Parthenon.



Find out more about the Acropolis Restoration Project:

Visit Acropolis Restoration Service website:

www.ysma.gr

Play with Glafka , the Acropolis flying robot:

<http://www.ysma.gr/theglafkaproject/>

Learn about the restoration of Acropolis monuments:

http://repository.acropolis-education.gr/acr_edu/handle/11174/316