

CONSERVATION OF THE ALHAMBRA



The historical evolution of the monument



City keys

Alhambra

Fernando

Ysabel

Boabdil

1492 Taking of the city of Granada by the Catholic Kings



XVI-XVII centuries the Nasrid palaces were the residence of the Catholic Monarchs and later of their grandson, Emperor Charles V

18th century

Abandonment stage.

The Alhambra is abandoned and at the mercy of looters and all sorts of disrespectful dwellers



19th century Napoleonic invasion

**Military
confrontation and
demolition of much
of the preserved
remains.**

**The Alhambra is
looted and used as
a powder keg.**



1870

**Restoration and
recovery stage**

**The Alhambra
becomes the
property of the
State and will be
declared a national
monument.**



20th century

Leopoldo Torres Balbás' interventions determined the current image and state.

These actions laid the foundation for the application of the scientific method to restoration



Example of interventions by Leopoldo Torres Balbás



CONSERVATION AND MAINTENANCE



Masonry Workshop

Brick, earth, lime and stone are basic elements of the architecture and constructions of the Monumental Ensemble, present in its pavements, walls and structures



Stonework Workshop

In the hydraulic installations and constructions of the complex, stone is a visible fundamental element in fountains, ashlars, pavements and columns



Carpentry Workshop

The wood in the Alhambra is present, in supports, roofs, slabs, windows, railings and doors.



Maintenance and Cleaning

To avoid the deterioration of the Monumental Complex of the Alhambra and Generalife and the buildings of the Board of Trustees, continuous maintenance, lighting, painting, gardening and cleaning are carried out.

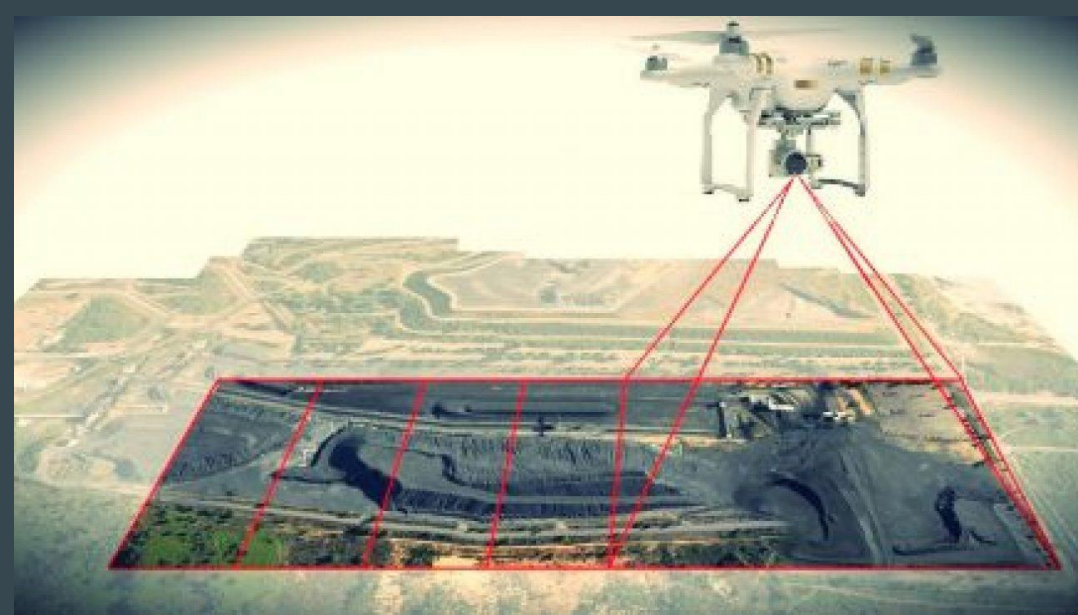


Photogrammetry

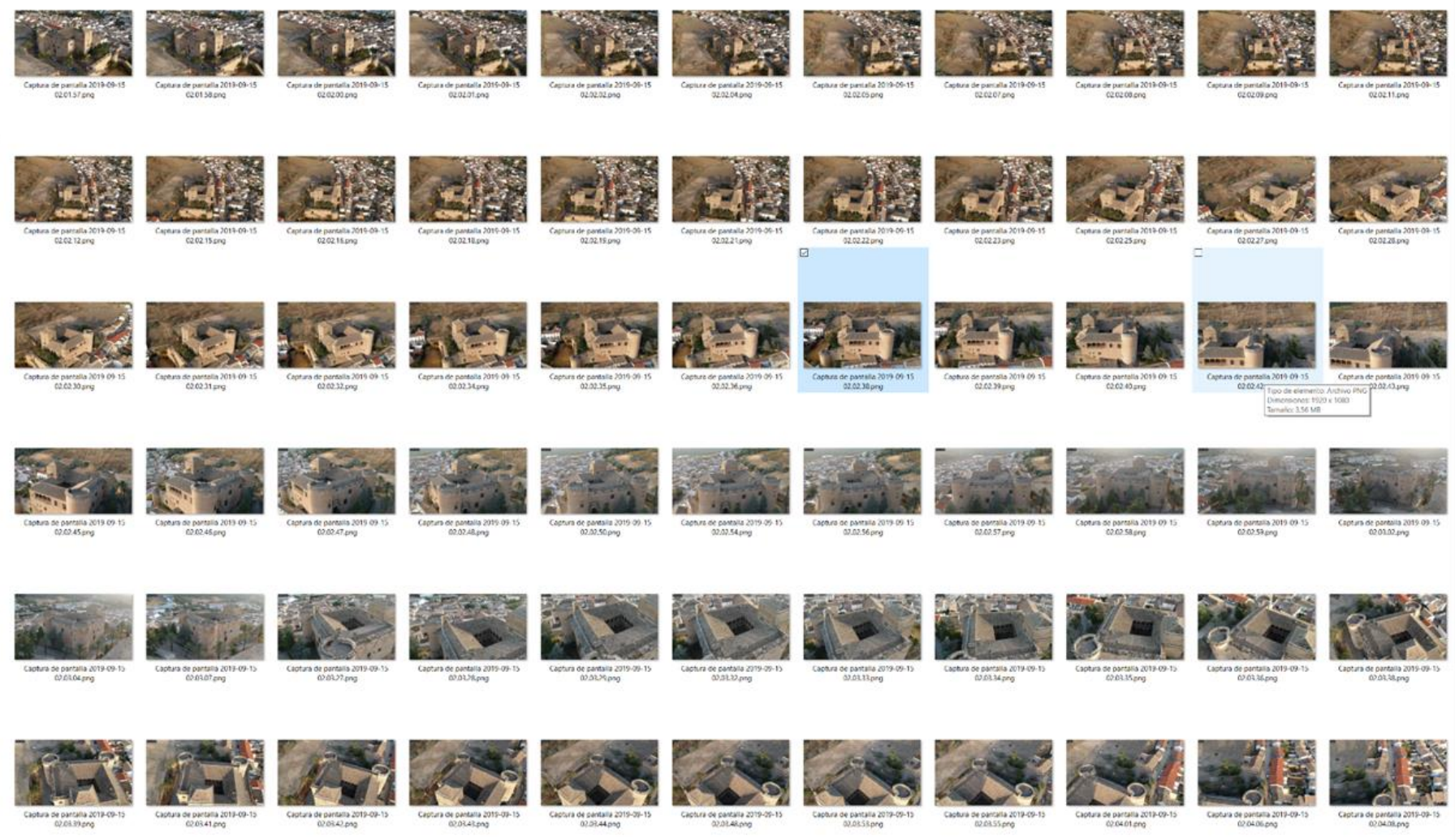
Photogrammetry is a technique in which we can obtain precise measurements of an object from photographs.

By taking many photographs of an object from different points of view (which may be from small objects, or may require the use of drones), and with the help of advanced software and powerful computers, we can even get very accurate 3d models.

This technique is widely used in heritage architecture and preservation, and has been used in the Alhambra



- OCTUBRES ROJO
 - Descargas
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 - Música
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 - Dropbox
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 - OneDrive
 - UniquLibrary
 - Pictures
 - Program Files
 - Program Files (x86)
 - SteamLibrary
 - WindowsApps
 - LIBRERIA (2)
 - ASIA-TS CYRUS
 - Backup MIANA 21-09-20 porque creo que se est
- FOTOS
 - 2004
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 - Calibración lentes
 - Fotoscan several
 - 2019-09-13 Drone Vila
 - 2019 drone castillo
 - Broken
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 - castello files
 - MezroomCacte
 - Video 1s
 - video castillo
 - video vila
 - Vifa files
 - 2020-08-20 drone plaza camera 1st try
 - 2020-08-21 drone nocturno
 - 2020-09-04 drone terraza photos
 - 2020-09-02 vila



Captura de pantalla 2019-09-13
Archivo PNG



Fecha de captura: Especificar la fecha...
Dimensiones: 1920 x 1080
Tamaño: 3.65 MB
Fecha de creación: 14/09/2020 2:10
Compartido con: Todos

Virtual Recreation of the Captivating Tower (Alhambra) - Making of (2018)



<https://www.youtube.com/watch?v=VmA1Pk1gelk>

Initial phase of the virtualization project of this unique space located in the Alhambra (Granada). I work in progress from 3000 photographs. Creation of the 3D model from the technique of photogrammetry. This model will be used for future virtual recreations. It is in any case a work in progress.

Virtual recreation of the Captivating Tower (Alhambra) - Making off July 2020



https://www.youtube.com/watch?v=PHjJgrZ_MnA

Intermediate phase of the virtualization project of this unique space located in the Alhambra (Granada). I work in progress from 3000 photographs. Creation of the 3D model from the technique of photogrammetry. This model will be used for future virtual recreations. It is in any case a work in progress. All rights to the content belong to the Board of Trustees of the Alhambra and the Generalife. The recreation is being carried out by GVAM GUÍAS INTERACTIVAS S.L and MIOPIA VISUAL EFFECTS.

Virtual recreation of the Captivating Tower (Alhambra) - Making Of Final



<https://www.youtube.com/watch?v=BXL6wz1QnGA>