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### ABSTRACT SUBMISSION — SOUMISSION DE RESUME

**Topic No. / Sujet n° : ----- or / ou  
proposed topic / sujet proposé: Visual Aids/ Heritage**

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#### ABSTRACT / RESUME:

**Modernization of Historical Lighthouses combining the use of unique Otter shutters and nowadays technologies: Salvora Island Lighthouse.**

The lighthouse in Salvora Island, in Spain, has been using Otter shutters since the new building was created in 1920. The singularity of this devices makes that with a unique luminous system, it is possible to get different light rhythms.

In the last years the idea to go a little beyond using technological advances to provide a better service to users was considered.

We have achieved to run the original equipment to preserve its undoubted technological and historical value and, at the time, making more noticeable the information that the lighthouse must facilitate to navigation.

We have replaced the Flash which is now hidden in the dangerous sector with a new equipment of red lamp covering the same 34<sup>a</sup> sector.

This new signal is powered and synchronized by the lighthouse optic but with the precision provided by the actual technologies.



Now get a combination of a group of three white flashes followed by a Red Flash in the dangerous sector. In this way the user has a much better interpretation of the information than was before, and we still can use the original equipment.

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