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OUTDOOR LIGHTING APPLICATIONS AT EPHEMERAL EVENTS.
The study case of Syros International Film Festival.

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Abstract

This research studies the artificial light as a tool for highlighting exterior spaces according to the concept of an ephemeral event and the case of the Syros film festival is the subject of the case study. In the theoretical approach of the research, the concepts of placemaking, site-specificity and installation art are studied in parallel with public light art. In the design approach, the principles of visual perception and the quality attributes of environmental light design are underlined in order to form a site-specific light installation in the context of Syros film festival.

Introduction

Firstly, placemaking and the formation of locational identity in terms of lighting creation in public space is studied. Furthermore, site-specificity and how it has been established throughout the years in installation art is studied, while reference is made to the Light and Space Movement and the pioneers in the field of lighting installations, such as Robert Irwin and James Turrell. In the next chapter, visual perception, its principles and the school of Gestalt are analyzed in the context of light design.

Case study

The parameters of the external lighting, such as the functional lighting, the aesthetic lighting and the symbolic lighting, which form the guidelines for the concept of the case study are analyzed. Emphasis is given to light pollution at the urban environment and how it can be reduced through low-energy oriented design. After referring to the Syros International Film Festival, the location of Tarsanas is selected based on its urban-naval character. The installation must be adapted to the location without altering its character and must consider the environmental factors that keep energy consumption, glare and visual disturbance to a minimum. The artwork to be produced aims to connect the broader art of cinema in the sense of site specificity and spatial identity, with a view to saving energy, functionality and safety. The installation is divided into three parts, the entrance, the path and the screening location, so as to emphasize their different functions and dynamics. The softwares used for the image creation and editing are Adobe Photoshop 2021 or Sketchup Pro 2021.

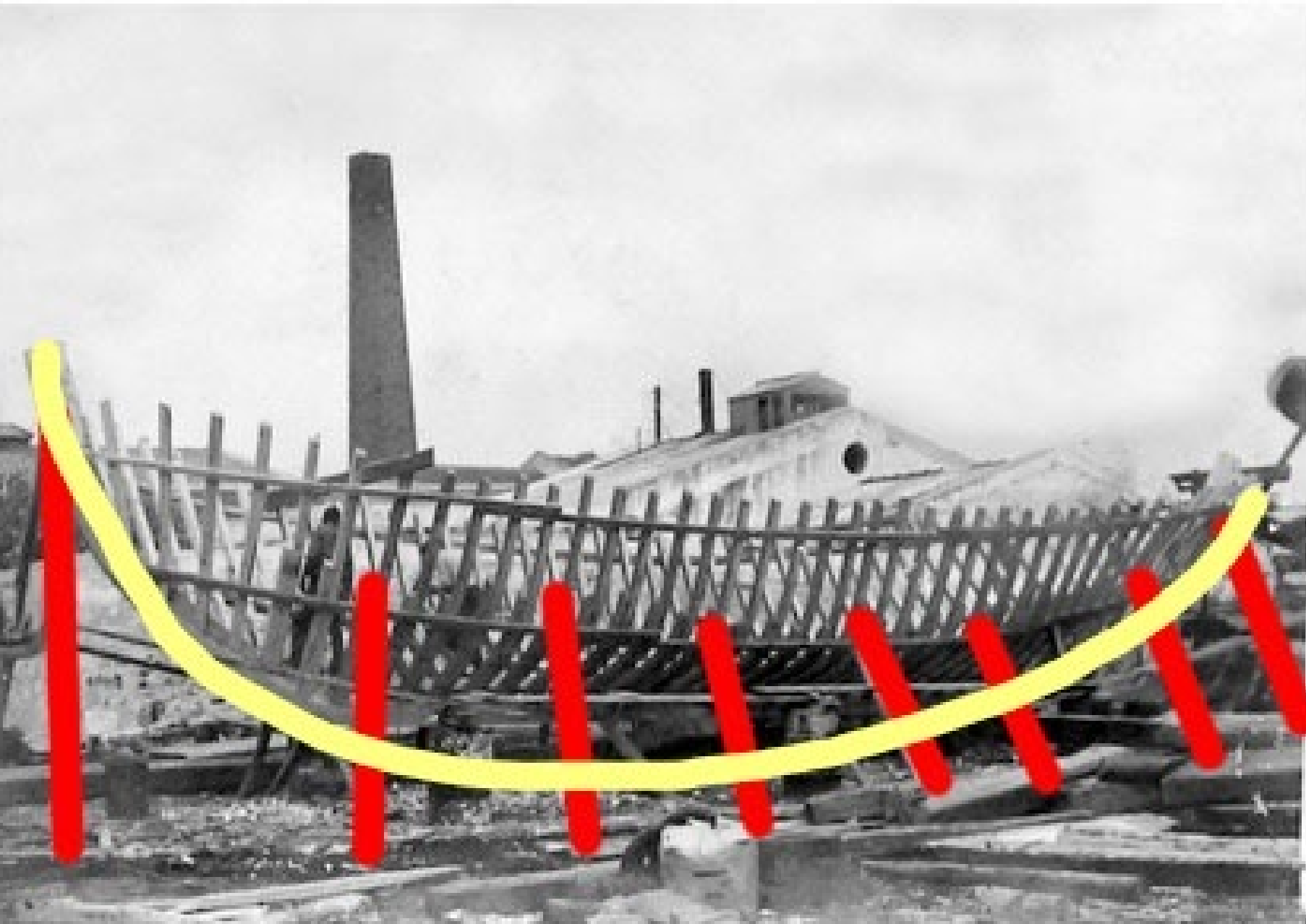


Figure 1: Construction of 'Trechantiri' boat, Ermoupolis, Syros. Created by Maria Fani Palaiologou.



Figure 2: Proposed path of installation. Created by Maria Fani Palaiologou.

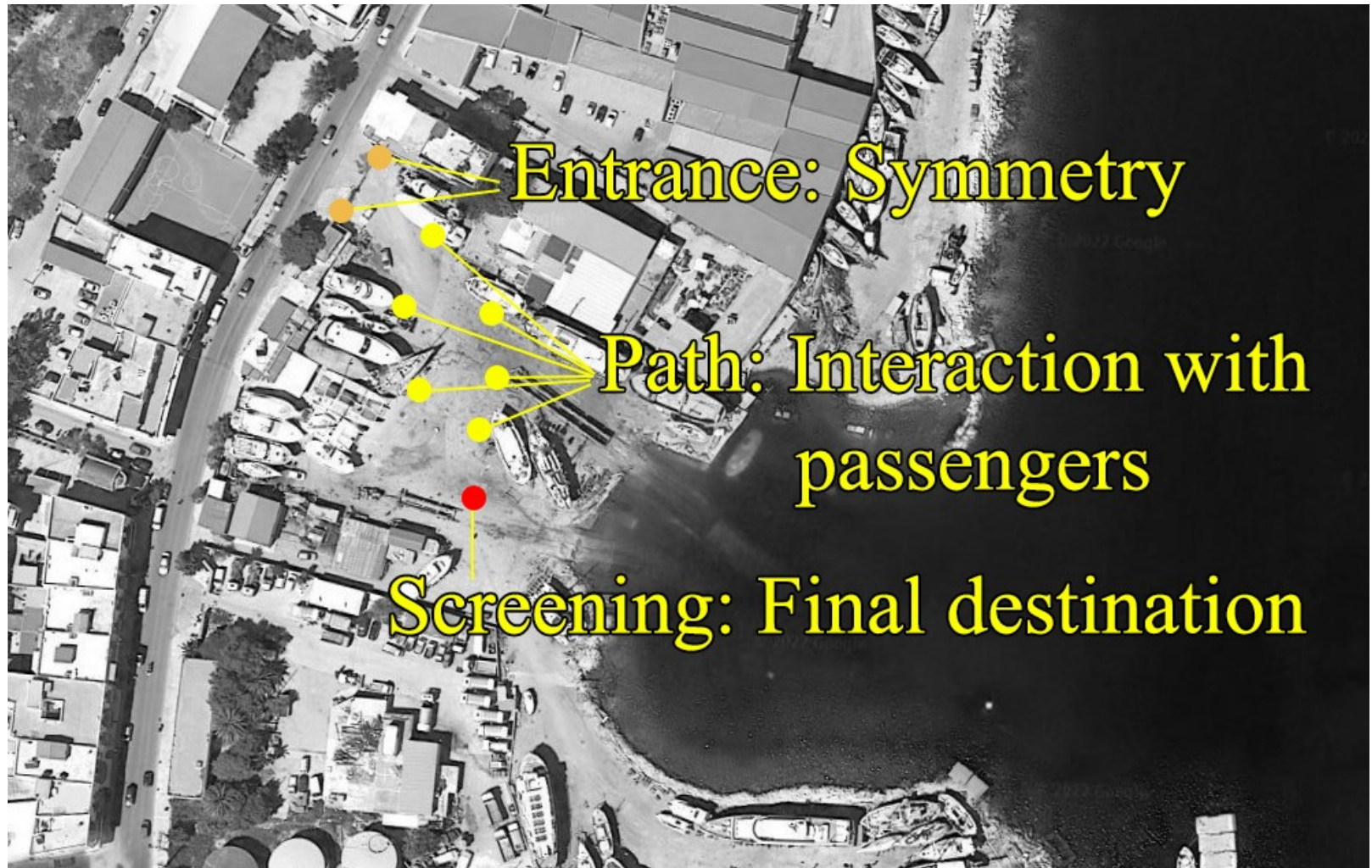


Figure 3: Division of installation at Tarsanas. Created by Maria Fani Palaiologou.

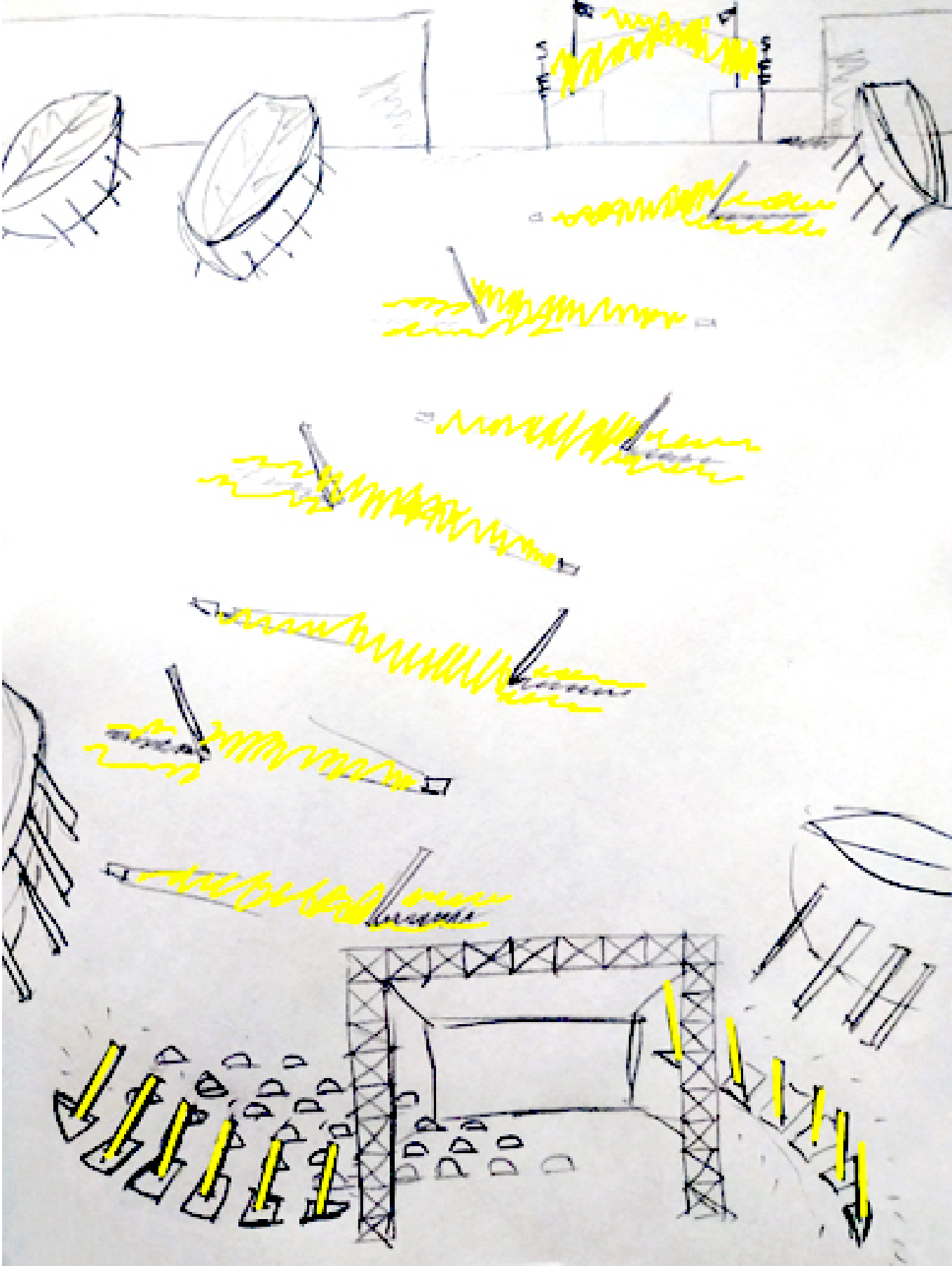


Figure 4: Sketch of the installation proposal. Created by Maria Fani Palaiologou.



Figure 5: Photorealistic image of the installation. Created by Maria Fani Palaiologou.

Table 1: Photometric characteristics of proposed light fixtures.


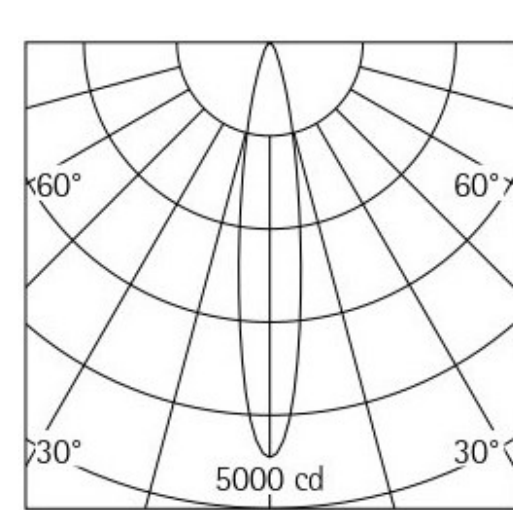

		Projector SIMES Focus • 2700K • 72 lm/W • IP66, IK10 • Light beam 9o
		Projector ERCO Beamer • 3000K • 52 lm/W • IP65 • Light beam adjustable
		LED strip VISTA FLEX Lx acdc • RGBW • 68,3 lm/W • IP67



Figure 6: Photorealistic image of the entrance and the path. Created by Maria Fani Palaiologou.

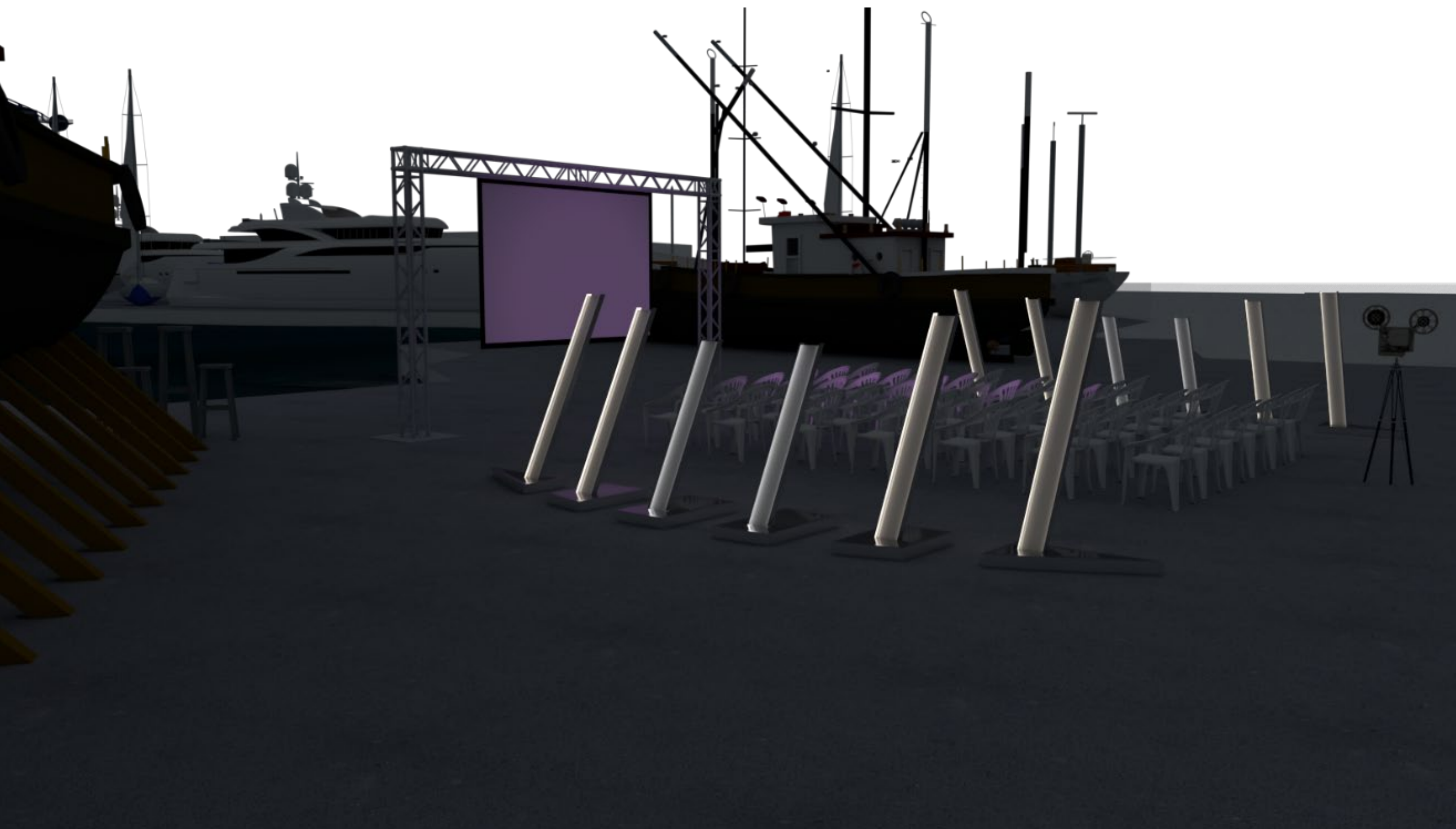


Figure 7: Photorealistic image of the screening location. Created by Maria Fani Palaiologou.

Conclusion

The nature of the proposed site-specific light installation is dual. On the one hand it becomes a forerunner of the cinematic experience and on the other hand it operates autonomously as an in situ artwork, offering a perceptive visual experience. Visual comfort and zero levels of glare are pursued, while excessive artificial lighting and energy waste are avoided.

References

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