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CANE STRUCTURE AND SMART LIGHTING SYSTEM

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Categories: <u>Canyaviva</u>, <u>Designing Matter</u>, <u>expanding design practices</u>, <u>No Density</u>, <u>Project</u>, <u>Protopixel</u>, <u>Technology and fabrication</u>, <u>Tigrelab</u>

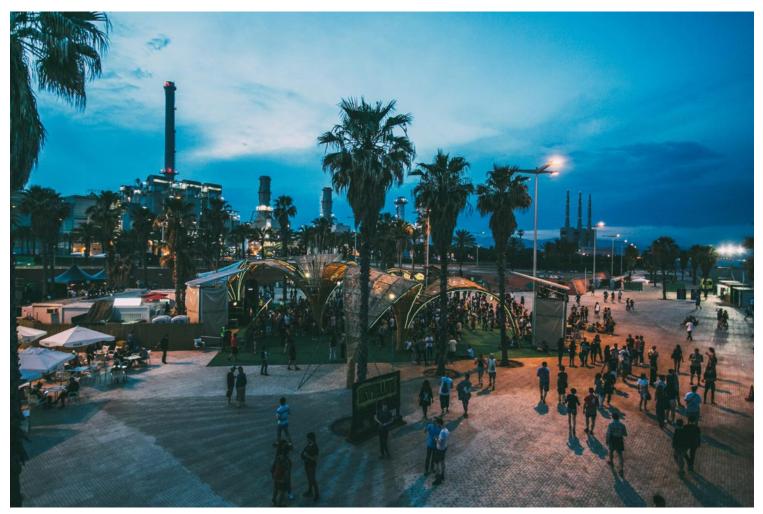
Tags: Architect's role, Bamboo, Barcelona, Cultural agitator, Design, Designing Matter, Digital design, Experimental installations, Innovation, Installation, Interaction, Interdisciplinary design, LED, Light, Lighting design, Multidisciplinary, Project, Public Space, Spain, Technological Approach, Technology

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Made from organic and industrial materials and featuring a Bowers & Wilkins Sound System, the installation is the first smart stage ever built for a festival. The space underwent a metamorphosis at nightfall, and the smart lighting system created a unique atmosphere to complement the already evocative auditory and dance experience.

https://youtu.be/3R3bZCTuhQM

The challenge was to create an experience only using natural elements, working with shapes and new materials.



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Tigrelab used ProtoPixel Create to produce organic animations, telling a story to the audience and eliciting their emotions. Five ProtoPixel Controllers were distributed across the structure, controlling over 200 meters of LED strips.

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The natural scenography of the space, embraced by high reeds, coupled with the flexibility and shape of the structure, contributed to a distinctive and emotion-filled ambience, while the sound, the artistry and the visual lighting came together in a seamless and immersive experience. This mise-en-scene unravelled its story through the night, with the lighting installation at the forefront of the natural scenery of the beach and palm trees.

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