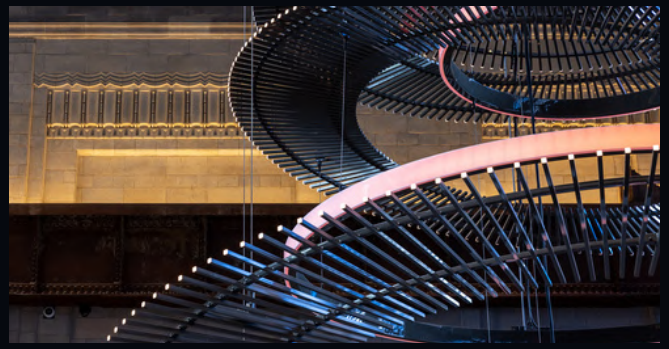

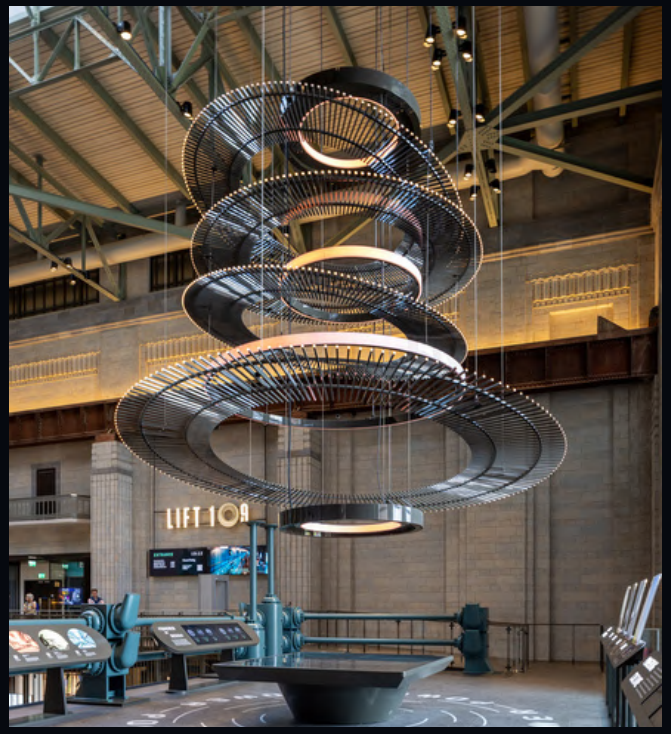

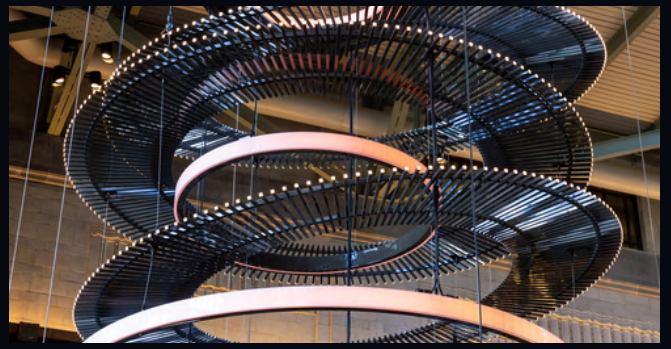

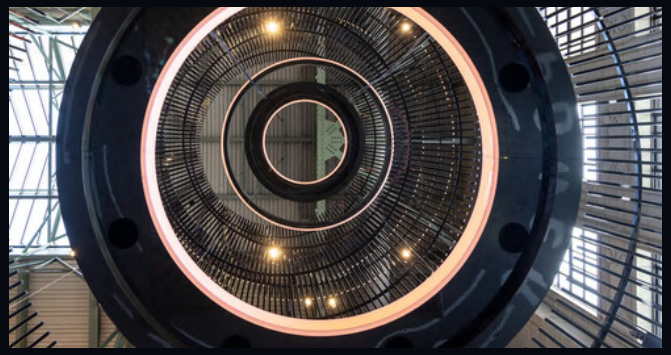

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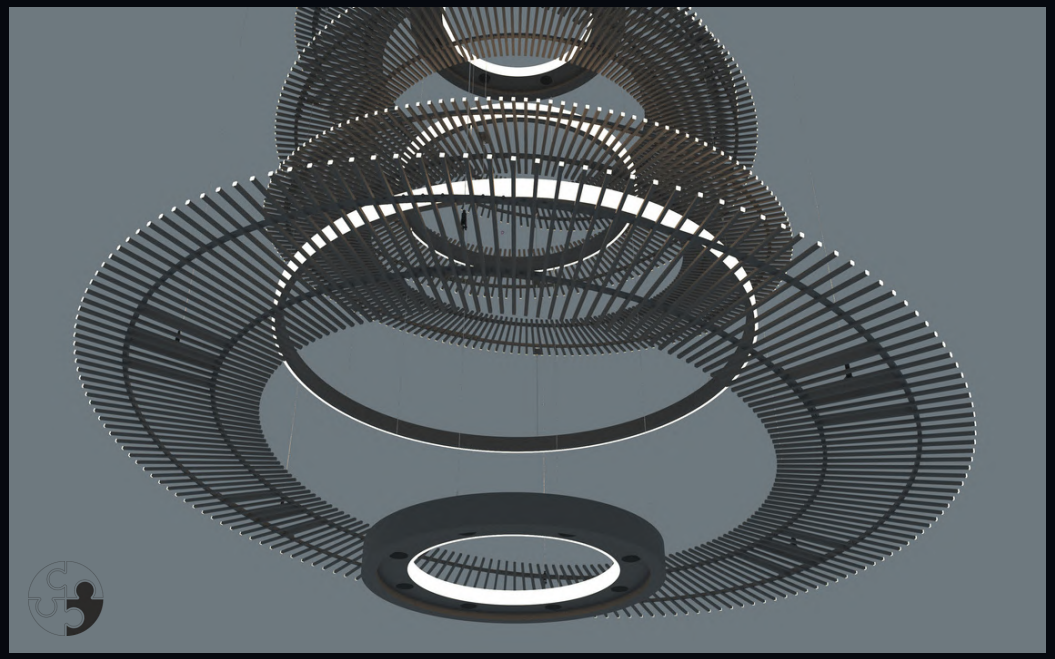
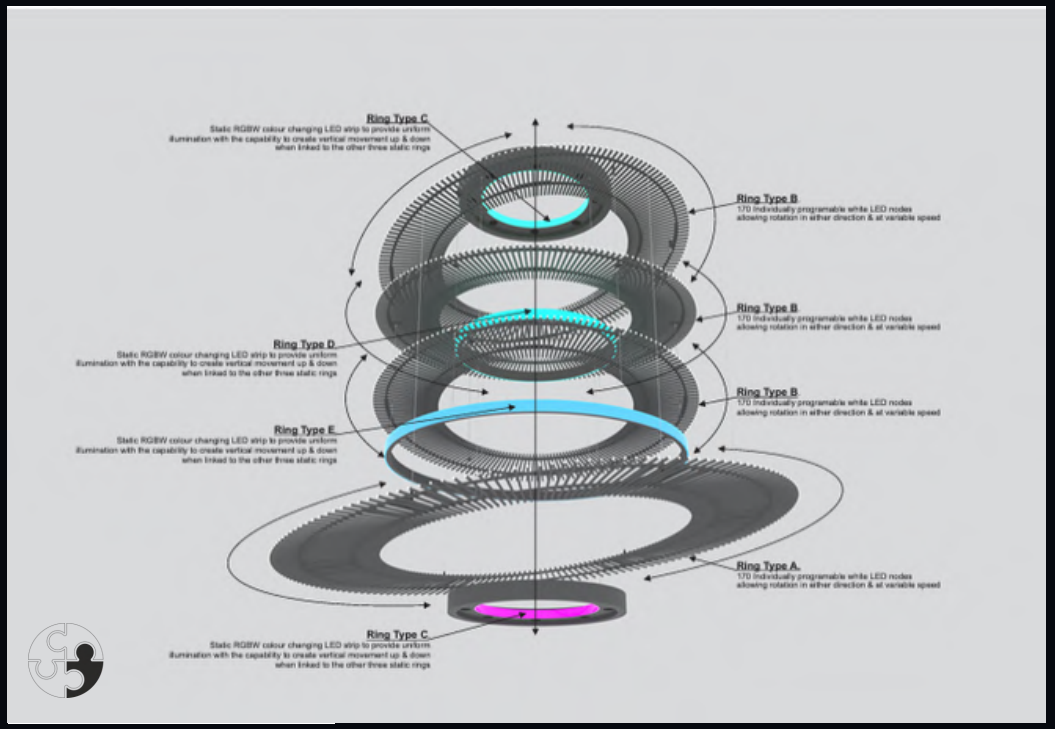
LIFT 109
BATTERSEA POWER STATION

CLIENT Battersea Power Station

DESIGNER Michael Grubb Studio

CONCEPT As well as a unique opportunity to take in a 360° view of the city of London, Battersea Power Station's new Lift 109 utilises light and sound to engage the visitor in the building's iconic architecture and incredible history.





LIGHTING DESIGN

Award winning lighting design practice, Michael Grubb Studio was responsible for the lighting design throughout the Lift 109 journey. As part of the experience, the Michael Grubb team designed several architectural lighting features which Studiotech was responsible for delivering.

ENGINEERING DESIGN

Studiotech was responsible for the detailed engineering design, bespoke fabrication, installation, and programming of the multi-ring pendant suspended above the exhibition table. On each ring there are 170 spokes, each spoke is capped with a single LED node diffused by an acrylic tab. These are powered and controlled over a specially designed, custom two-wired system to ensure cabling was kept to a minimum. Additionally, there are colour changing RGB+WW+CW light rings that are individually controlled to complete the aesthetic of a multi-ring feature pendant.

Each ring forms part of the dramatic scene that is triggered by the data taken from the amount of people interacting with the exhibit. The table acts as a coal fire generator, ‘powering’ the pendant above. The higher the number of people that interact with the generator, the faster the light chases around and up each ring in the pendant until it reaches maximum capacity and ‘powers down’ showcasing a dropping effect of light down the feature.

CONTROL

The lighting sequence again, echoes the movement of Lift 109. Using Traxon e:cue Sympholight, Studiotech has used the single control system for controlling all DMX, DALI, SPI and Mains fixtures; Controlling the retail space, main exhibition space and integrating the Audio Visual, exhibition table, fire alarms and action pad/user interface, resulting in a seamless integration between the control system and accomplishing a desired response from the lighting.

WIDER SCHEME

Other areas include the 'Oculi' at the base of the lift. The Oculi are fabricated from infinity mirrors, framed with pixelated RGBW 'neon' LED. Collaborating closely with Michael Grubb Studio to develop their concept, Studiotech carried out mock ups on site with the design team to test the optimum LED mounting position, thirteen Oculi were installed surrounding the lift and are mounted within the chimney. The effect of the light travelling up 'through' the infinity mirrors replicates the movement of the lift ascending the chimney.

The retail pendant carries the chimney branding through to the retail space, situated above the customer service desk the custom fabricated pendant consists of 360° RGBW LED tubes capable of being individually controlled to carry the immersive experience through to the retail area.

EXPERIENCE

Each lighting feature is an important part of the immersive journey through this one-of-a-kind lift experience for the visitors, providing anticipation and excitement for the main Lift 109 attraction anchoring the branding throughout the space. Studiotech worked closely with Michael Grubb Studio during each stage to ensure successful delivery of their concept throughout the space.

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LIFT 109 BATTERSEA POWER STATION