

DOME FLEX



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Flexible Dome LED experiences
for every space

www.eideticmarketing.com



A spherical LED environment featuring a 16K resolution display, designed to deliver immersive spatial experiences.

From Screens to Spatial Experiences

A horizontal bar with a blue-to-purple gradient, starting with a bright blue on the right and fading to a dark purple on the left, positioned at the bottom of the slide.

Executive Summary

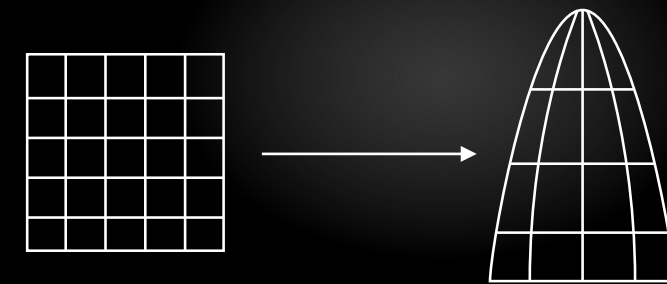


Dome LED transforms exhibitions from flat displays into fully immersive spatial experiences that increase engagement and dwell time. Its tangerine-peel modular architecture enables seamless curvature, reduced distortion, and a level of immersion flat LED cannot achieve.



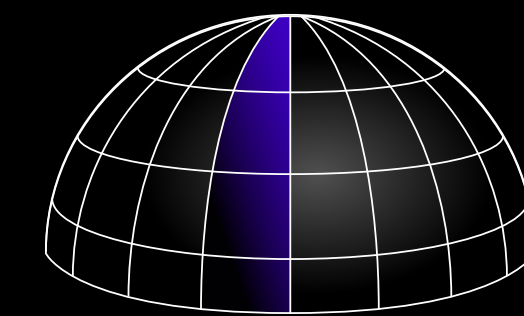
From Screens to Spatial Experiences

Dome environments transform content into immersive spatial experiences with higher engagement and longer dwell time.



Dome LED Fundamentally Different

Dome LED is not adapted from flat panels. It is engineered from the ground up to support true curved, dome-shaped structures.



Tangerine-Peel Modular Architecture

Vertically segmented modules ensure precise curvature and a seamless dome surface with consistent pixel density.

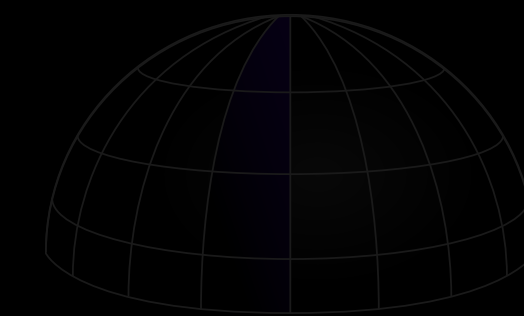
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Additional
Services

VIDEO PRODUCTION PACKAGE



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Eidetic's in-house team provides both LED design and optimized video content production.



Services

Implementation

Pricing & Packages

Contents Production

Support & Service

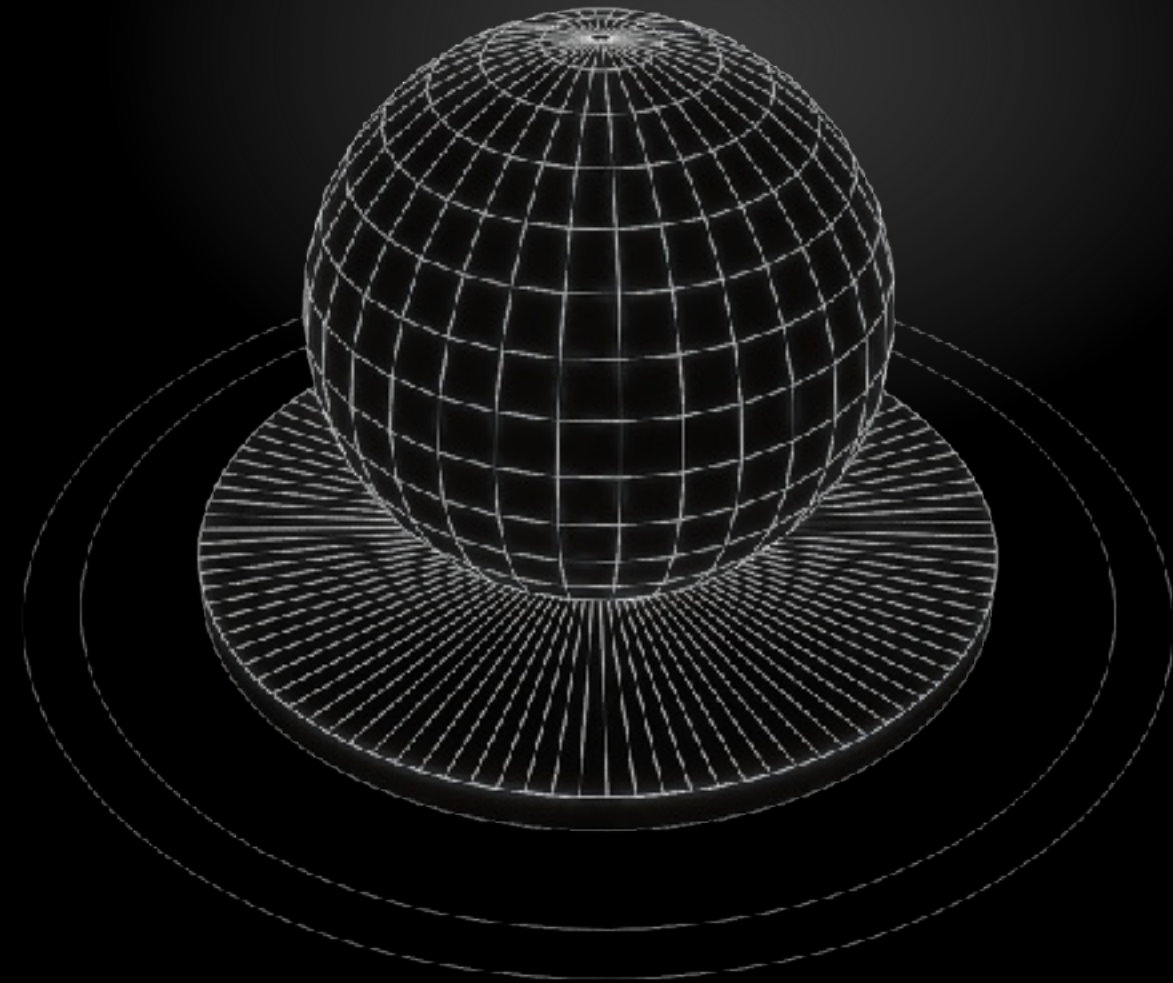
What Is?



Our dome LED is not one type, but multiple possibilities. It is customized to match your space, purpose, and audience.

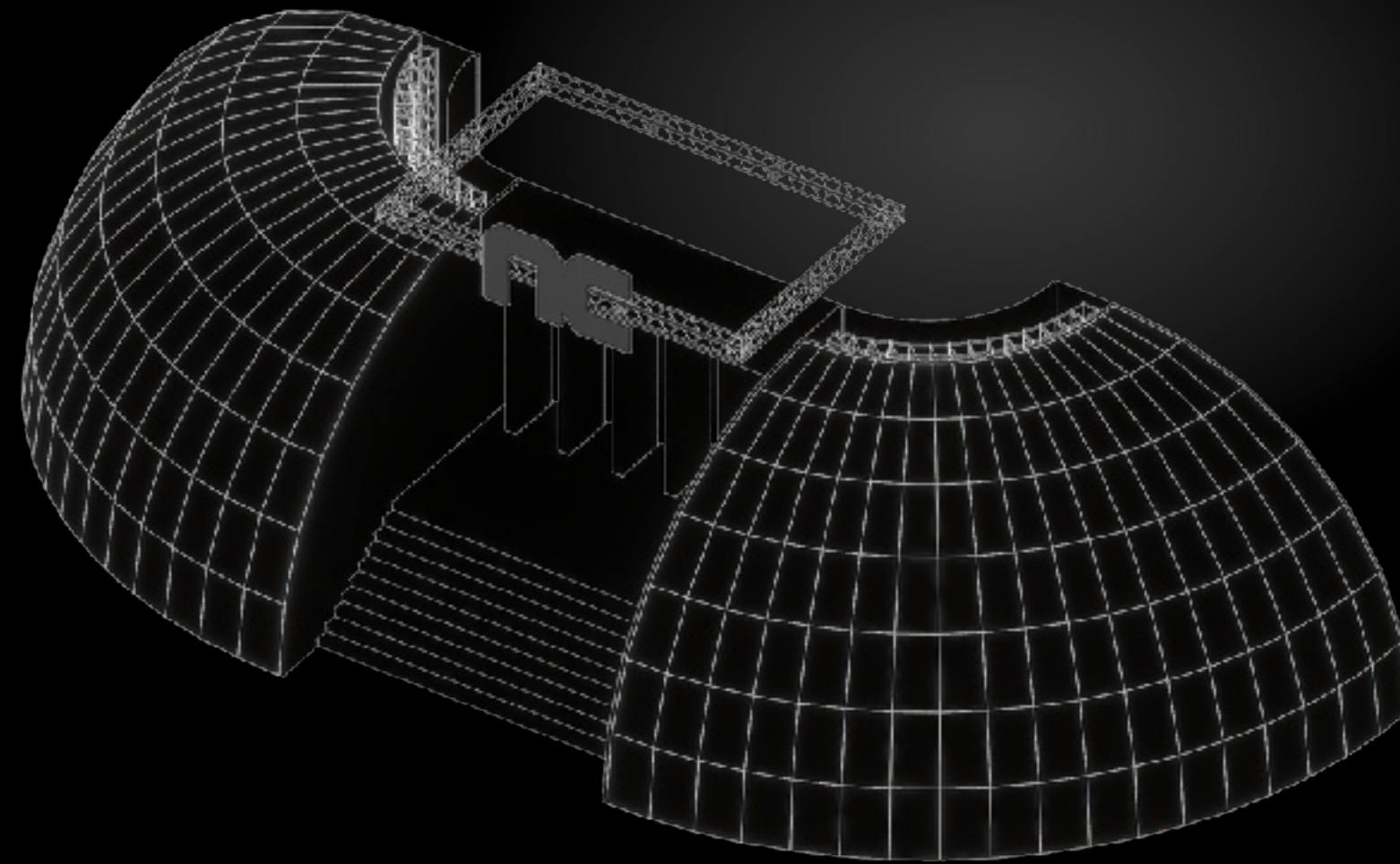
Hero Type

Designed as a standalone landmark, the Hero Type creates a powerful visual focal point that draws attention from all directions.



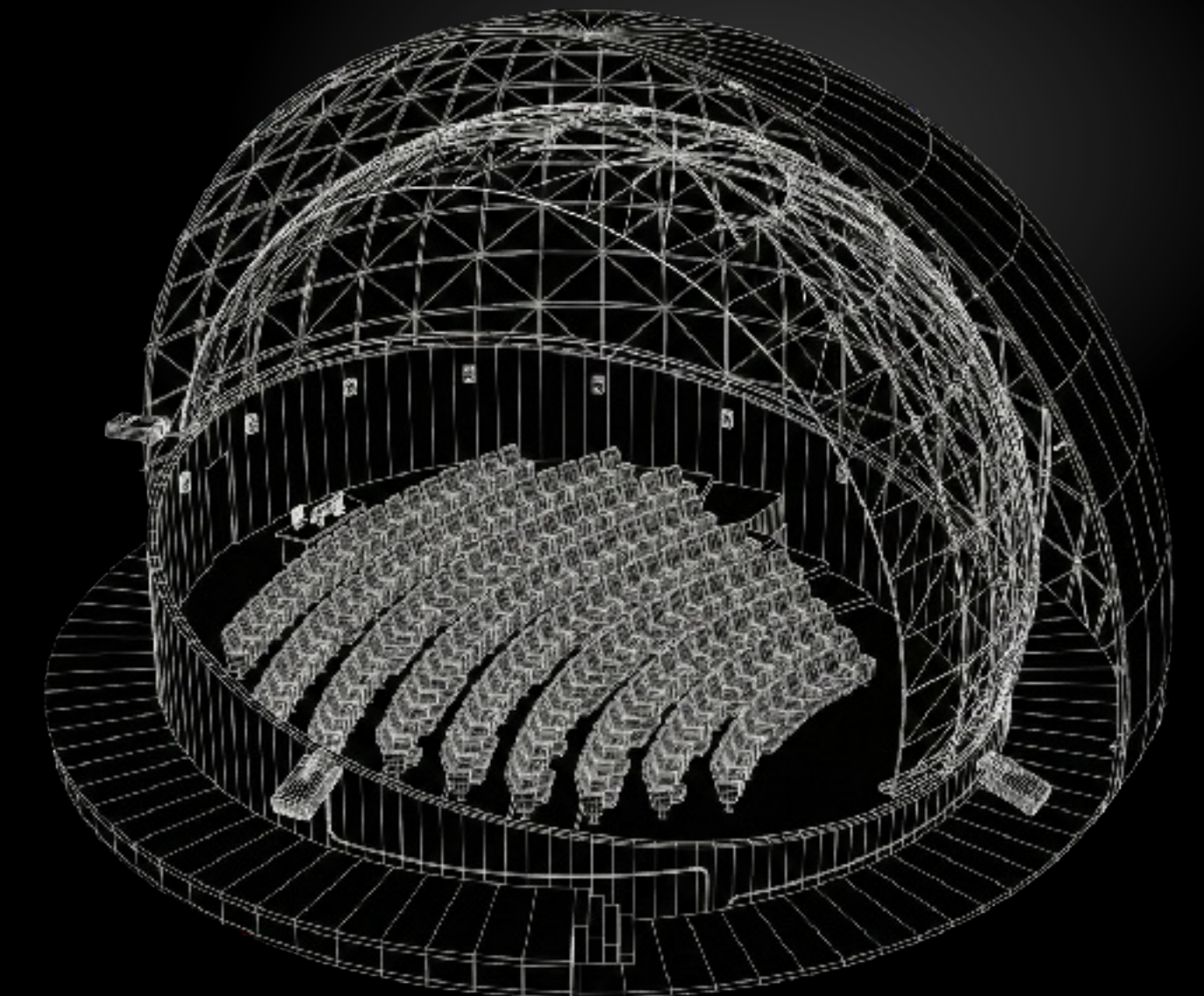
Facade Type

Integrated into architectural structures, the Facade Type blends immersive visuals with entrances, stages, or circulation zones.



Theater Type

Built for seated, audience-focused experiences, the Theater Type delivers controlled immersion with optimized sightlines and acoustics.

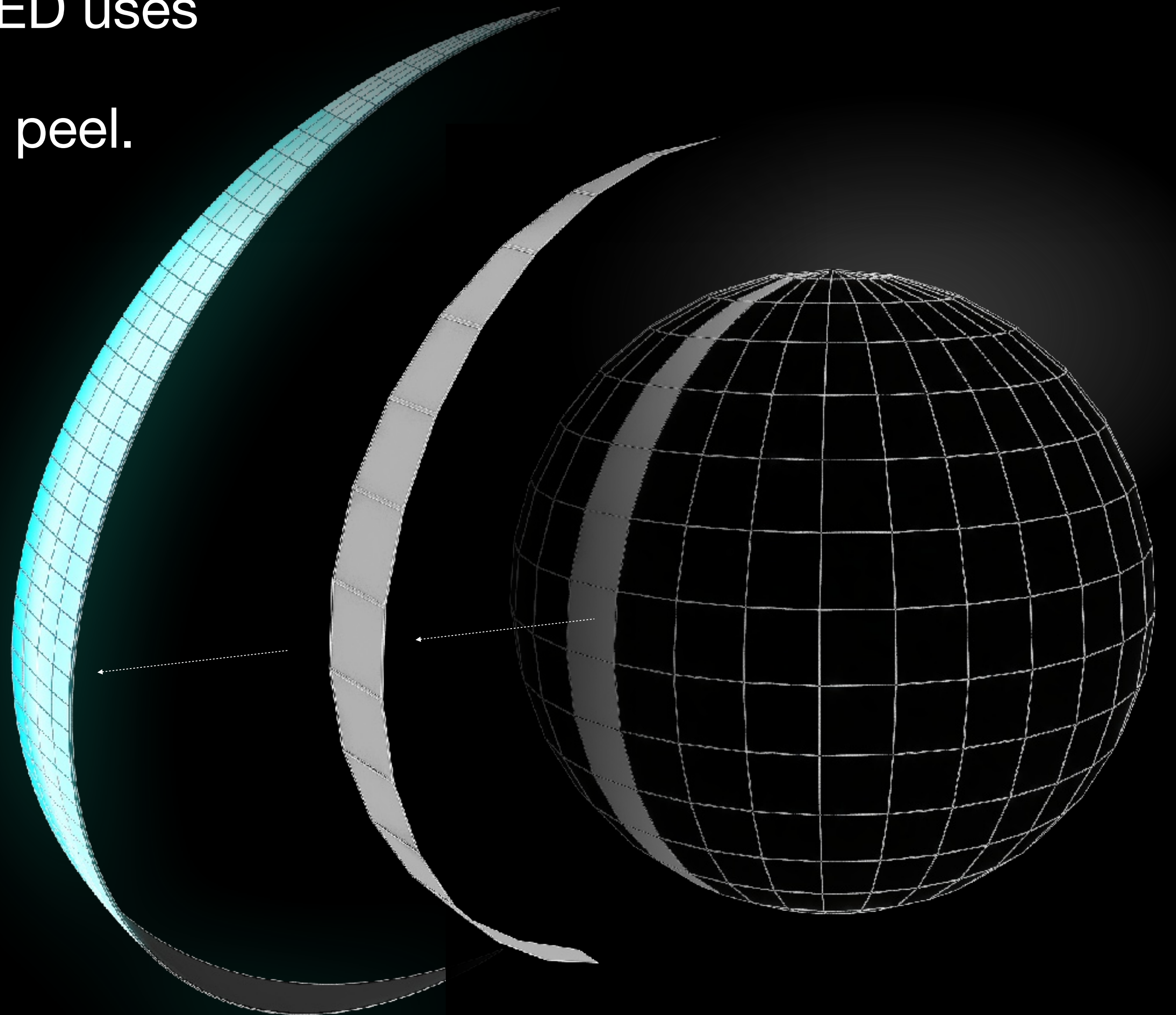


Tangerine-Peel Modular Structure



Instead of square panels, Dome LED uses vertically segmented modules — similar to the shape of a tangerine peel.

This structure allows precise curvature control and seamless dome construction.





Projects

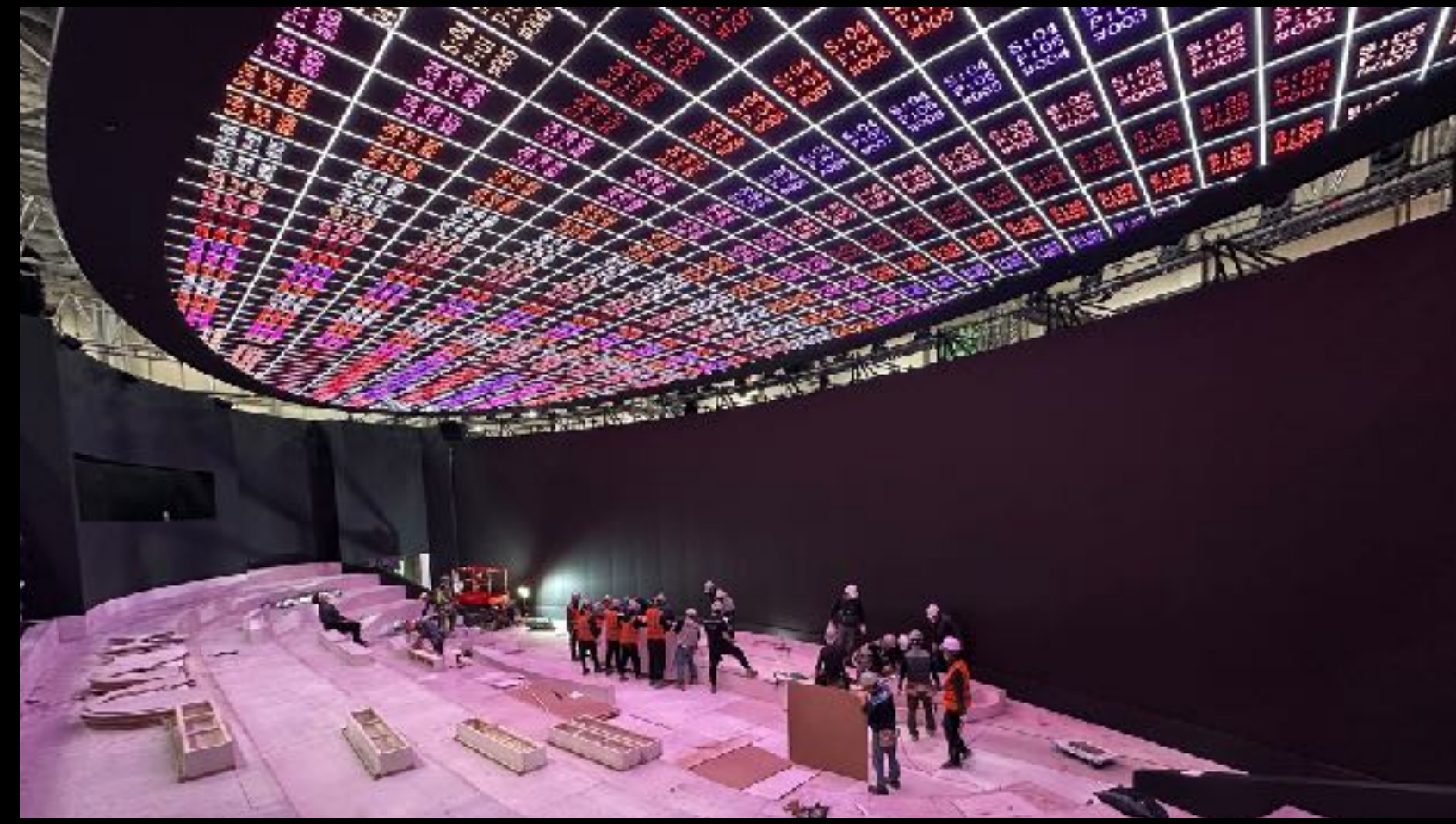
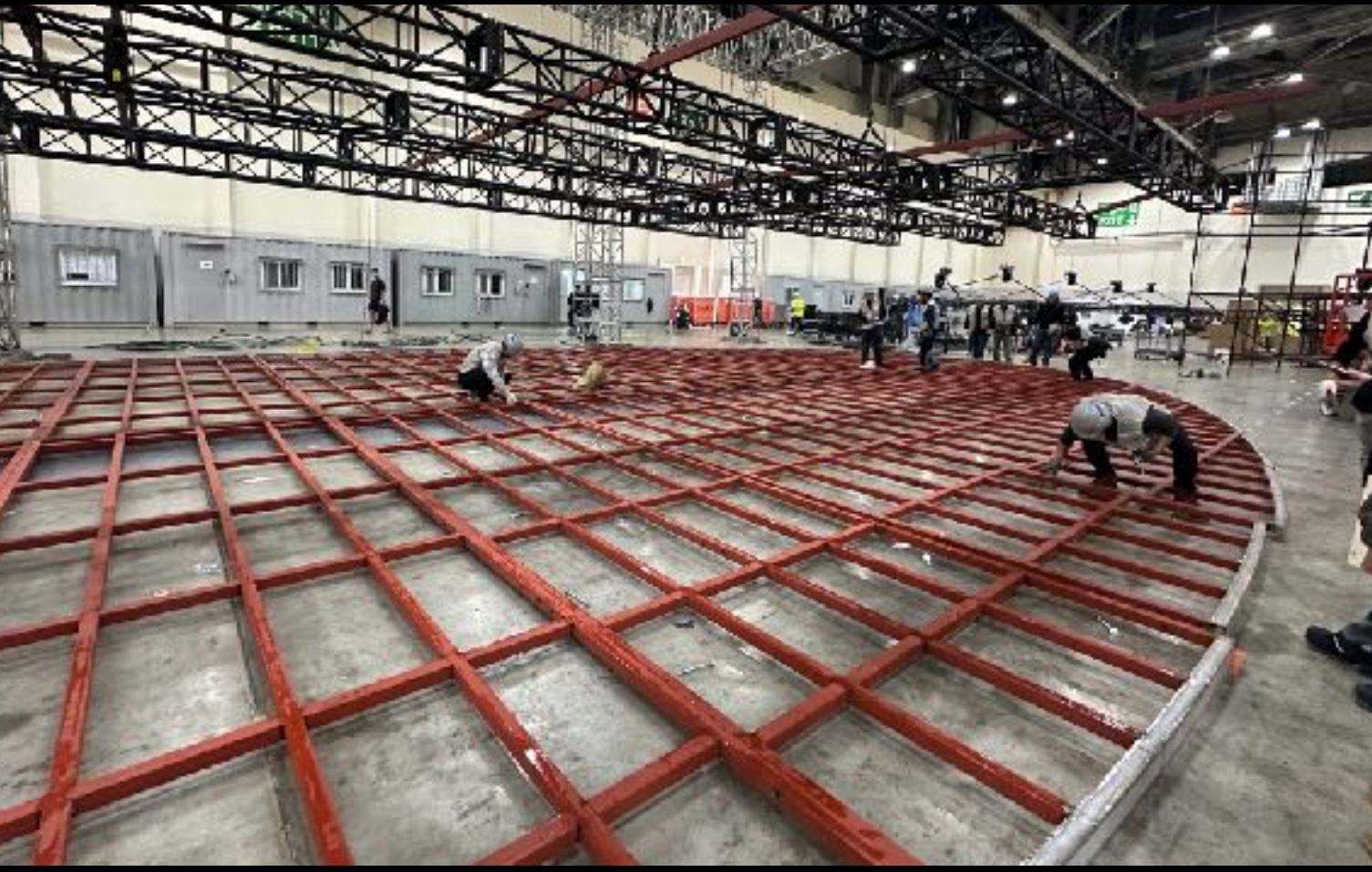


For the NCSoft project, a total of 18,016 tangerine-peel modules were used for the dome alone. The structure measures 44 m in width and 8 m in height. On-site installation was completed over three days, with a rotating crew of approximately 100 personnel.

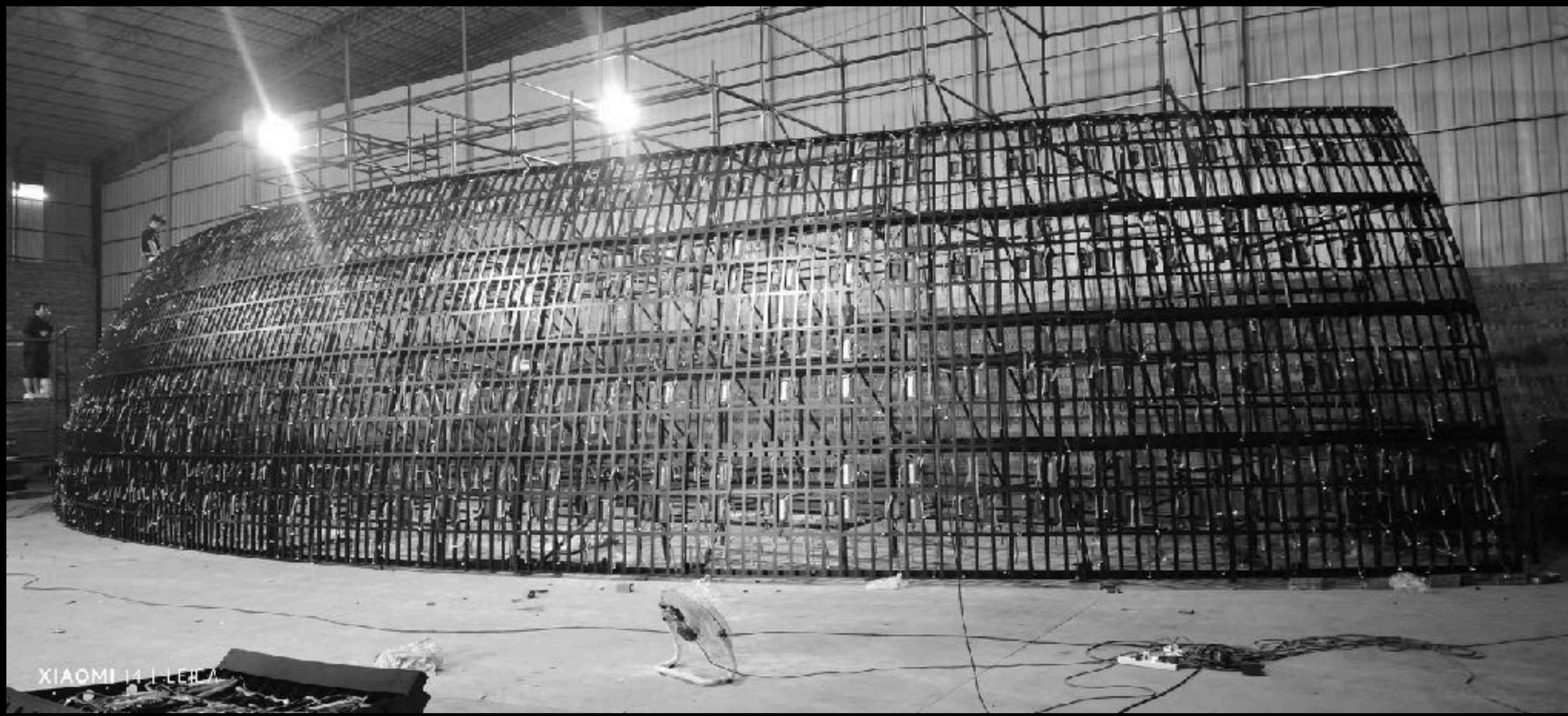




The content is optimized for the dome LED and seamlessly integrates the dome, panoramic LED, and ceiling LED into a single immersive environment. A premium 5.1 surround sound system further enhances the overall experience.



Prior to installation, a rehearsal is conducted to confirm that all structural components are correctly fabricated in line with the design.



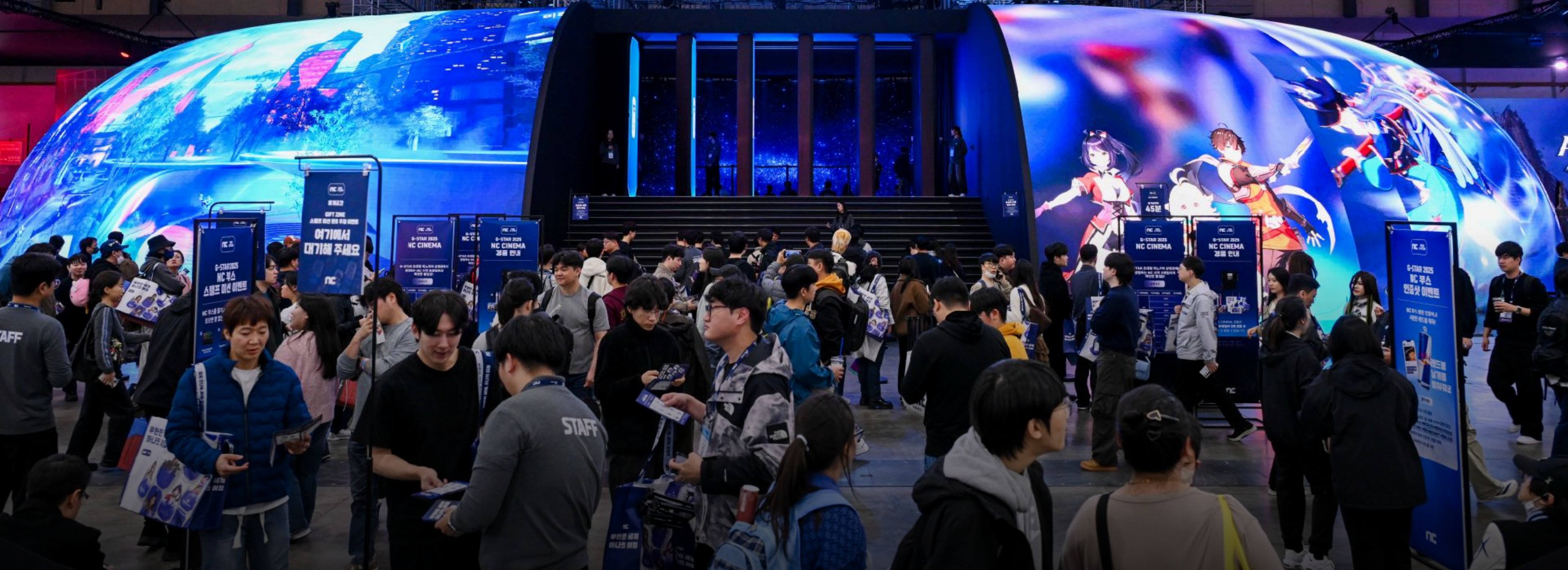


EIDETIC delivers a fully integrated service, encompassing rehearsal, construction, on-site operations, and immersive video content production.





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STAFF

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Technical Overview

Technical Overview



Key Specifications

Pixel Pitch
P2.5 (2.5 mm)

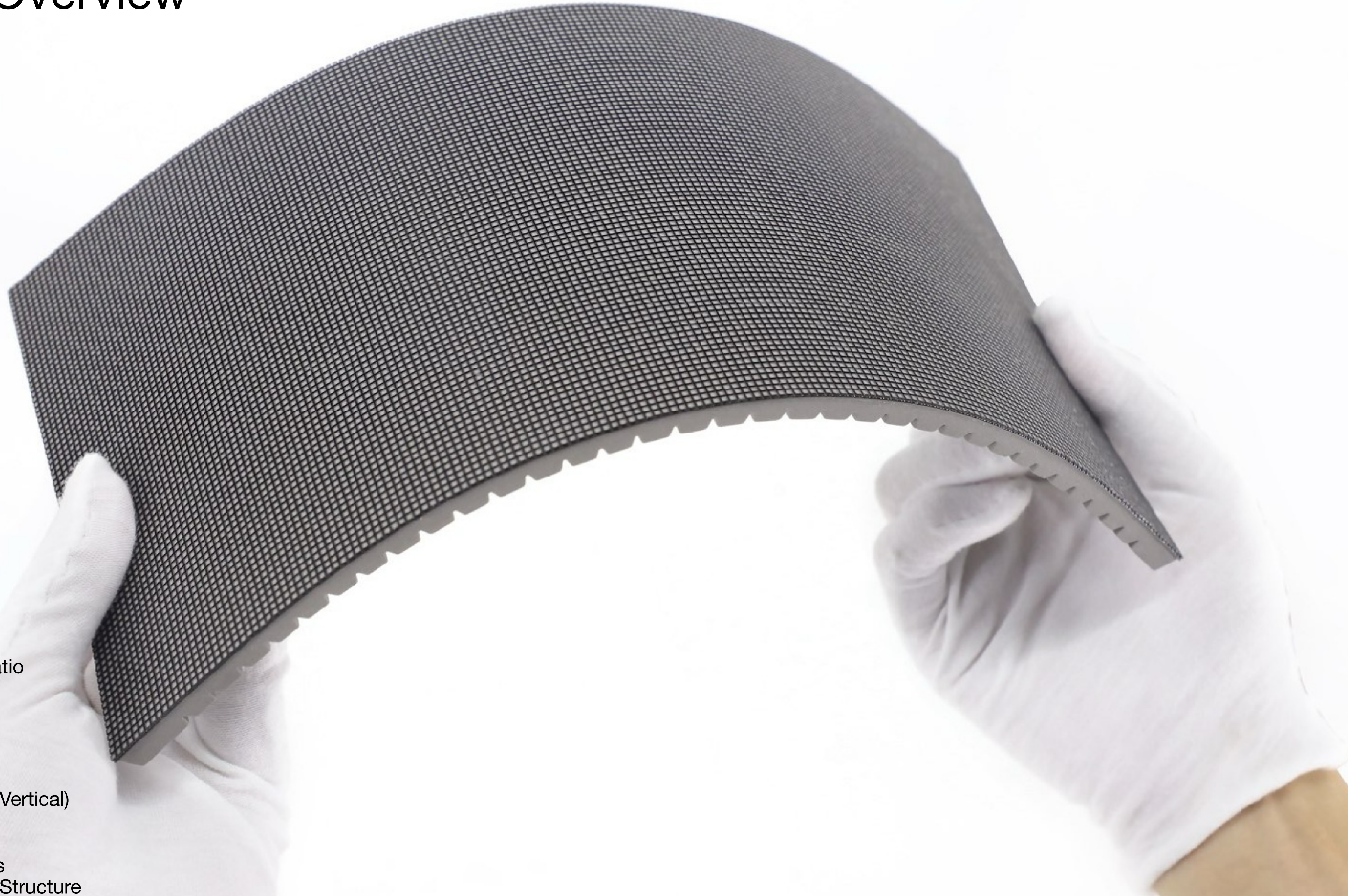
Refresh Rate
3,840 Hz

Brightness / Contrast Ratio
500 cd/m² / 5,000 : 1

Viewing Angle
160° (Horizontal) / 160° (Vertical)

Custom Curved Modules
Tangerine-Peel Modular Structure
(Purpose-built for dome geometry)

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Product Details



1	Model No.	P2.5
2	Pixel Pitch	2.5mm
3	Control System	Mooncell
4	Module Dimensions	Custom-made
5	LED Type	SMD1515
6	Pixel Density	160000pixel/m ²
7	Screen area	434m ²
8	Cabinet Dimensions	Custom
9	Cabinet resolution	648*420
10	Cabinet Type	Iron cabinet
11	Model resolution	Custom
12	Module gap	≤0.5mm
13	Module Mounting Method	Magnetic-Attachment
14	Panel Weight	≤10kg/m ²
15	Scan Rate	1/35
16	Brightness	>500cd/m ²
17	Refresh Rate	3840hz
18	Contrast	5000:01:00
19	Gray scale	65536
20	Color temperature	5500K~9300K
21	Ave Power Consumption	≤240W/m ²
22	MaxPower Consumption	≤800W/m ²
23	Optimal viewing distance	5~100m
24	Viewing angle	(H) 160° / (V) 160°
25	Operating Voltage	AC220V
26	Display Panel Power	≤0.8kw/m ²
27	Power Output	5V 40A
28	Operating/Storage Temperature	-20°C~+50°C
29	Operating/Storage Humidity	15%-90%RH
30	Installation Method	Lease
31	Maintenance Method	Front maintenance
32	IP Rating	IP30
33	LED lifespan	> 50,000h



Pricing & Packages

Pricing & Packages



Package A Reference-Based Rental

\$1.0 M+

✓ Dome LED system rental
(reference-based configuration)

✓ Standard hardware setup
(same as existing case studies)

✓ Basic installation &
dismantling support

✓ Standard on-site technical
support during exhibition period

* Shipping costs are not included.

Package B Custom Configuration

\$1.5 M+

✓ Custom dome LED configuration
(size, layout, type)

✓ Hardware system rental

✓ Basic installation &
dismantling support

✓ Technical consultation for
layout and system planning

✓ Standard on-site technical
support during exhibition period

* Design and engineering services are
quoted separately based on project scope.

Package C Permanent Installation & Operation

Custom Quote

✓ Custom dome LED configuration
(size, layout, type)

✓ Hardware supply and
permanent installation

✓ Structural coordination and
construction support

✓ System commissioning and testing

✓ Ongoing maintenance and
technical support

✓ Operation support up to XX years
(customizable)

* Final costs are determined by project scale, installation duration,
customization scope, operational period, and long-term support requirements.

EOD



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