

# DOMEX

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The Next-Generation  
Immersive LED System

[www.eideticmarketing.com](http://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 of light, transitioning from a bright blue on the right to a deep purple on the left, set against a dark background.

# Executive Summary

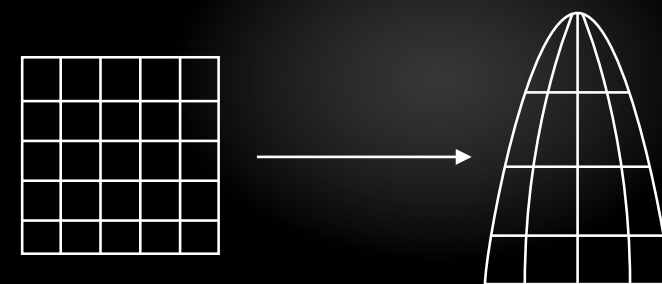


Dome LED transforms exhibitions from flat displays into fully immersive spatial experiences that increase engagement and dwell time. Its tangerine-peel modular architecture enables seamless curvature, reduced distortion, and a level of immersion flat LED cannot achieve.



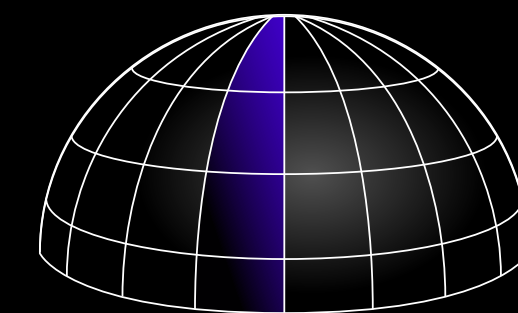
## From Screens to Spatial Experiences

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.

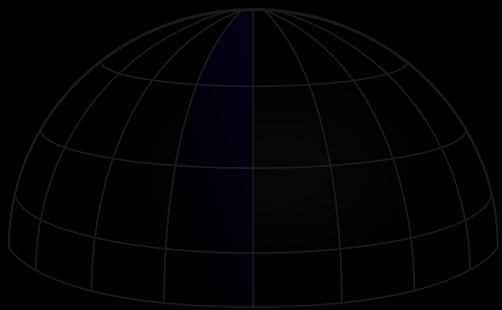
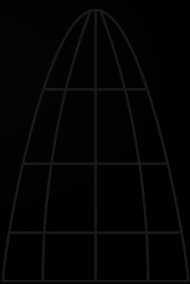
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Additional  
Services

## VIDEO PRODUCTION PACKAGE



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# Services



Implementation

Pricing & Packages

Contents Production

Support & Service

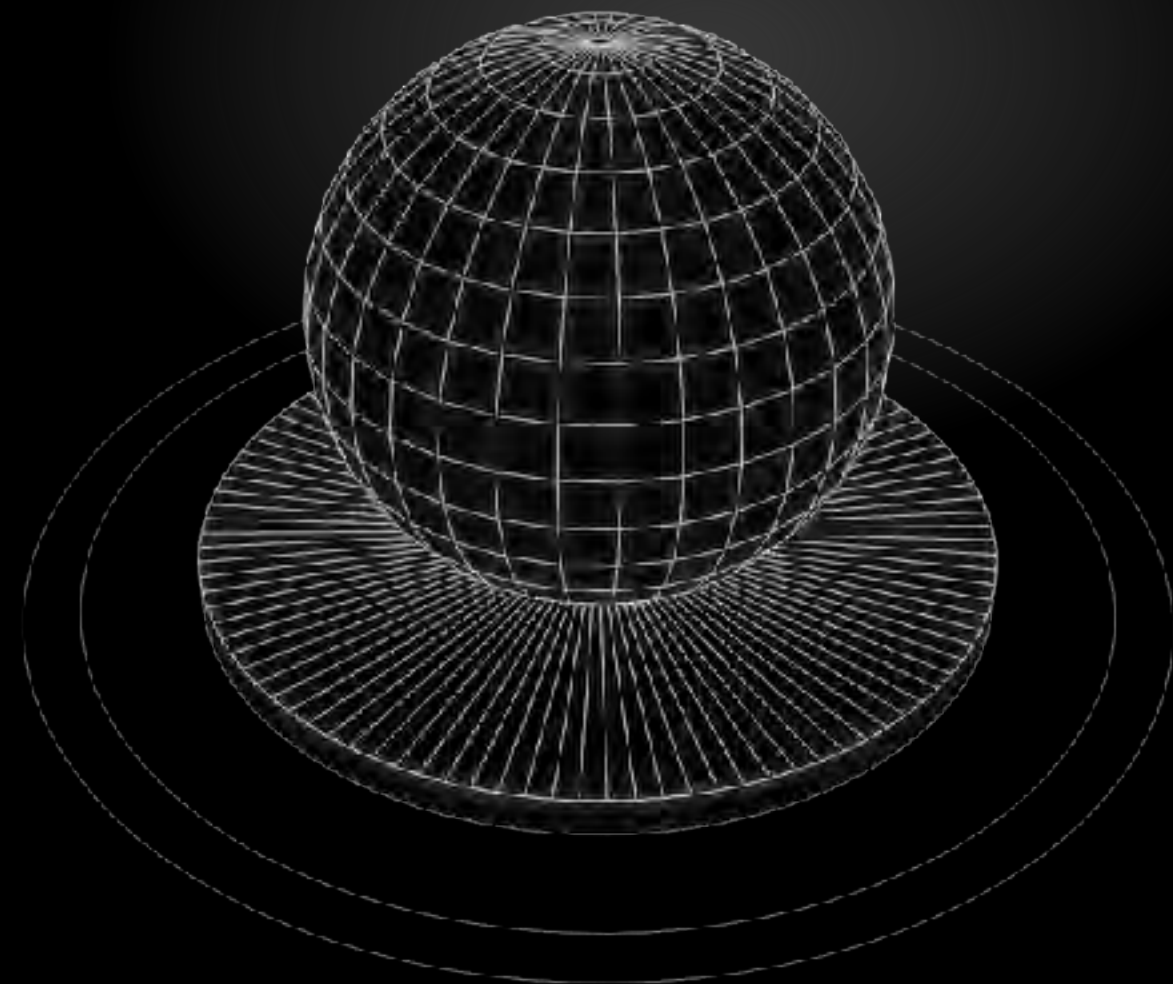
# What Is?



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

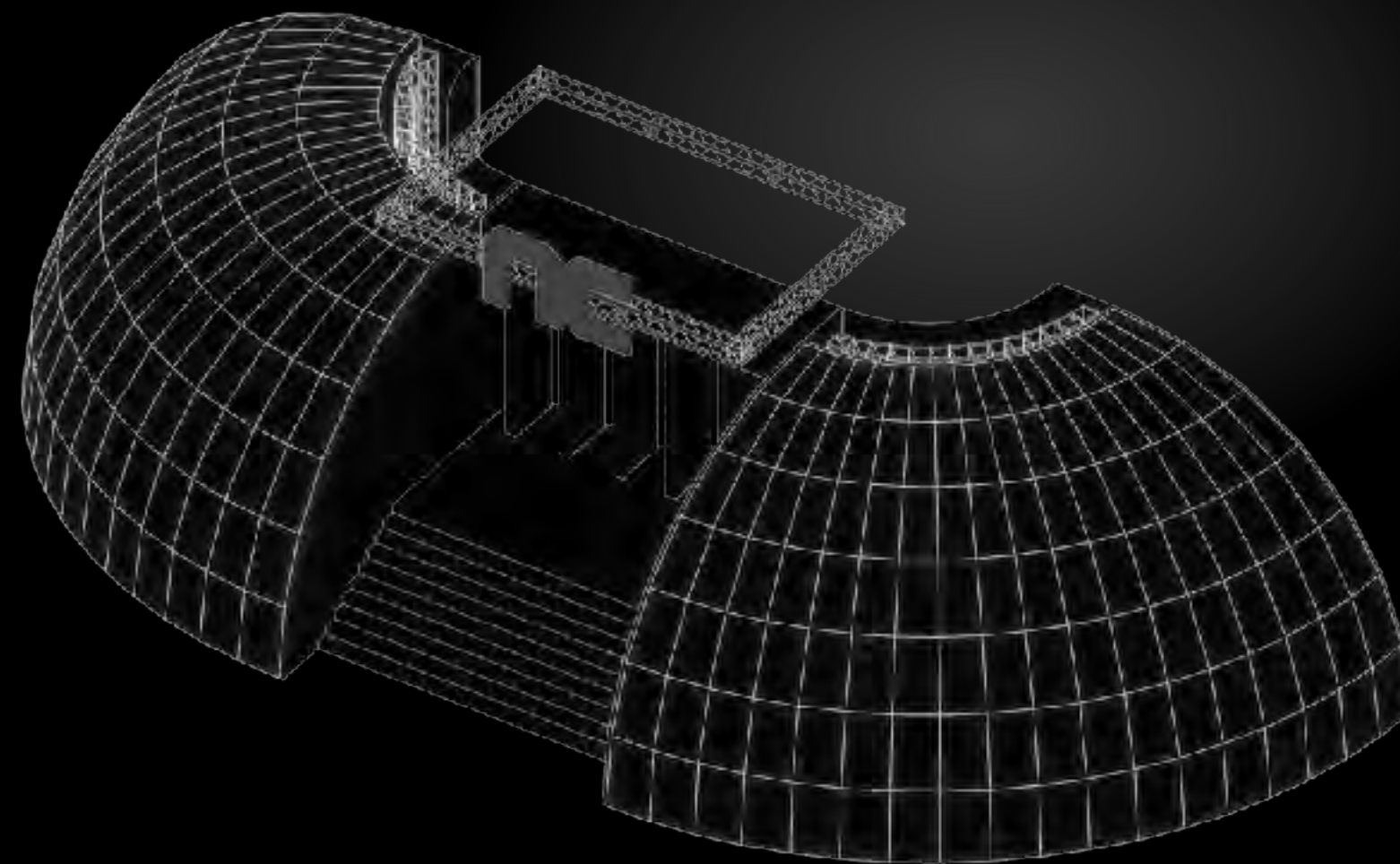
## Hero Type

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



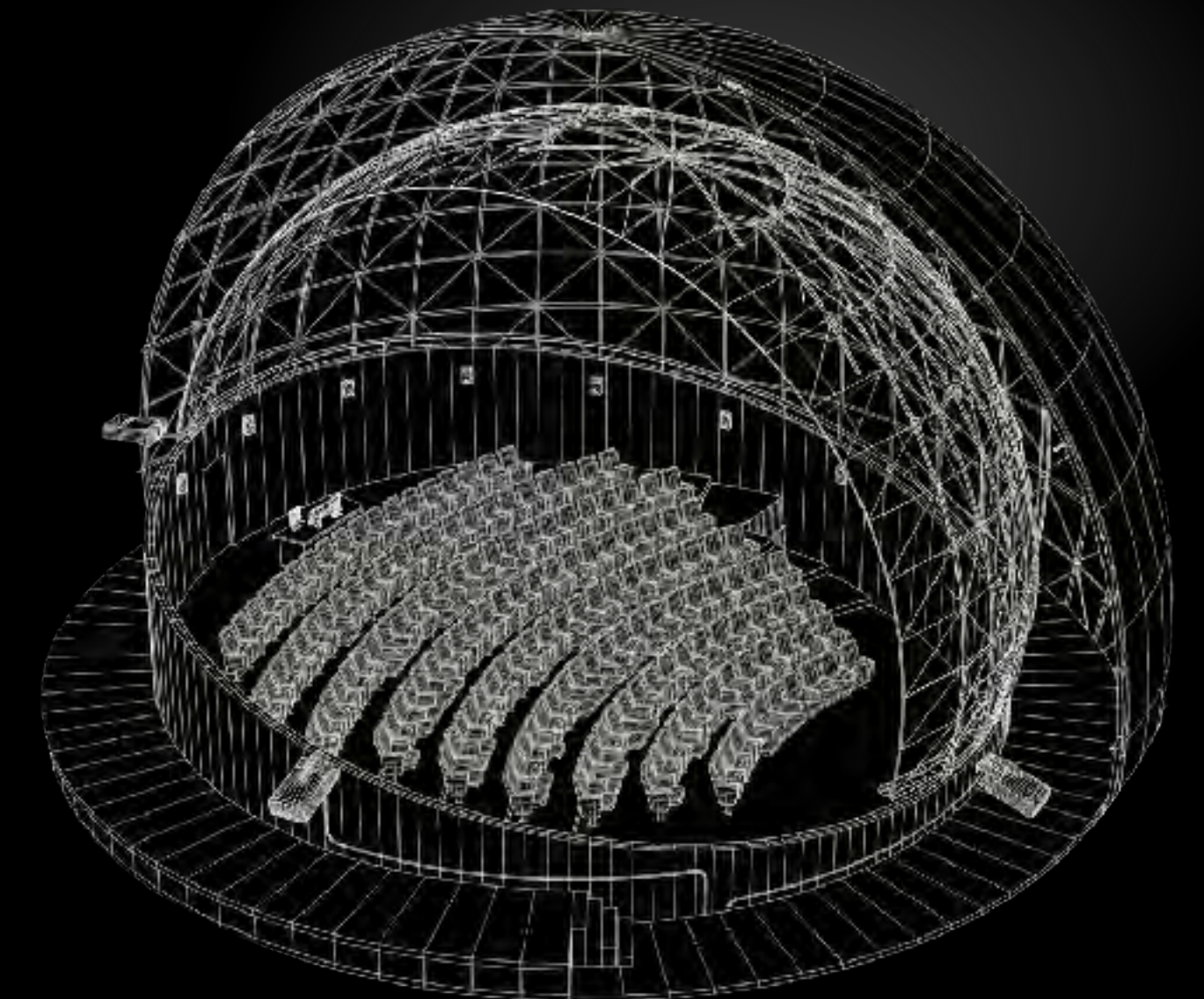
## Facade Type

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.

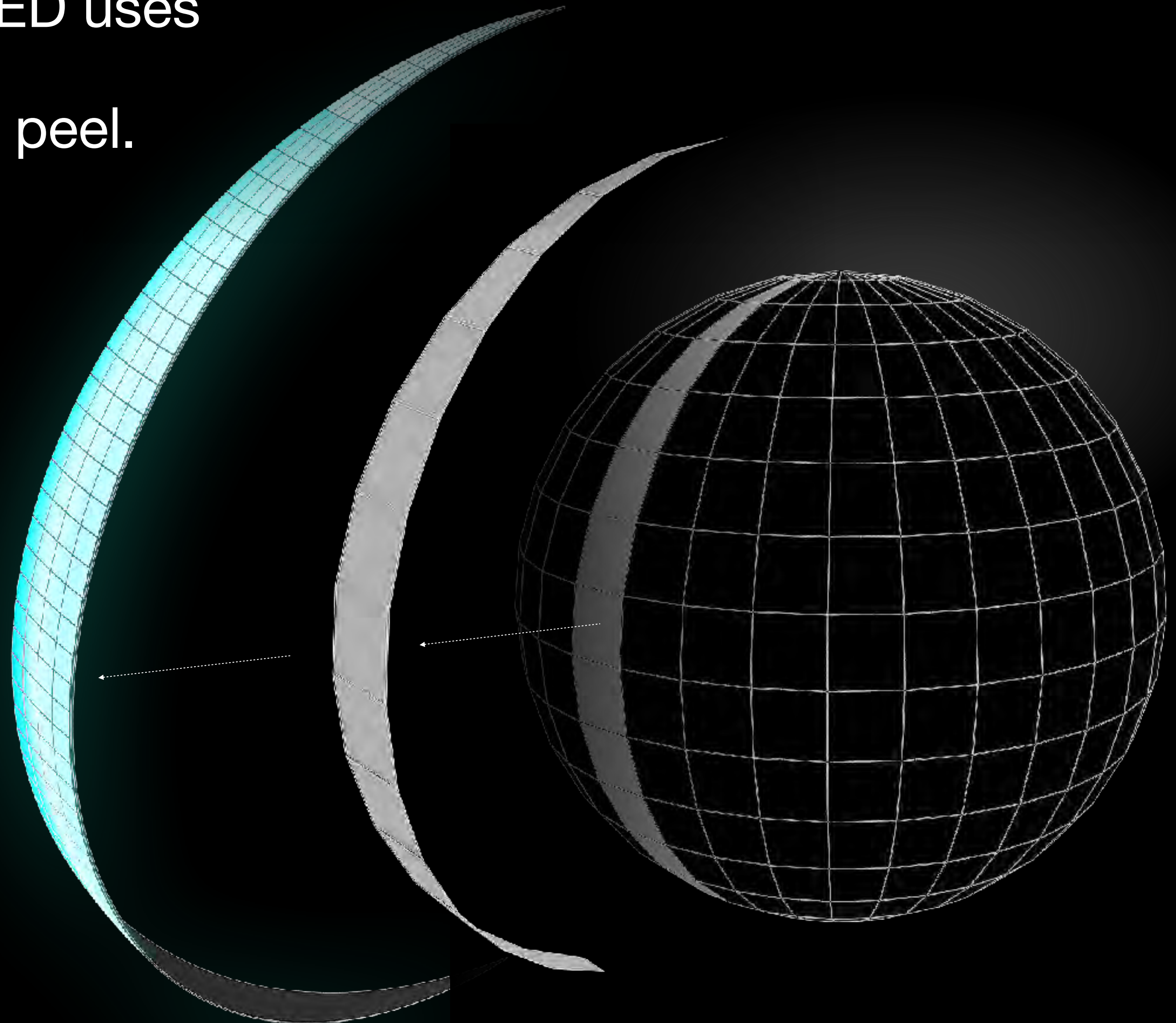


# Tangerine-Peel Modular Structure



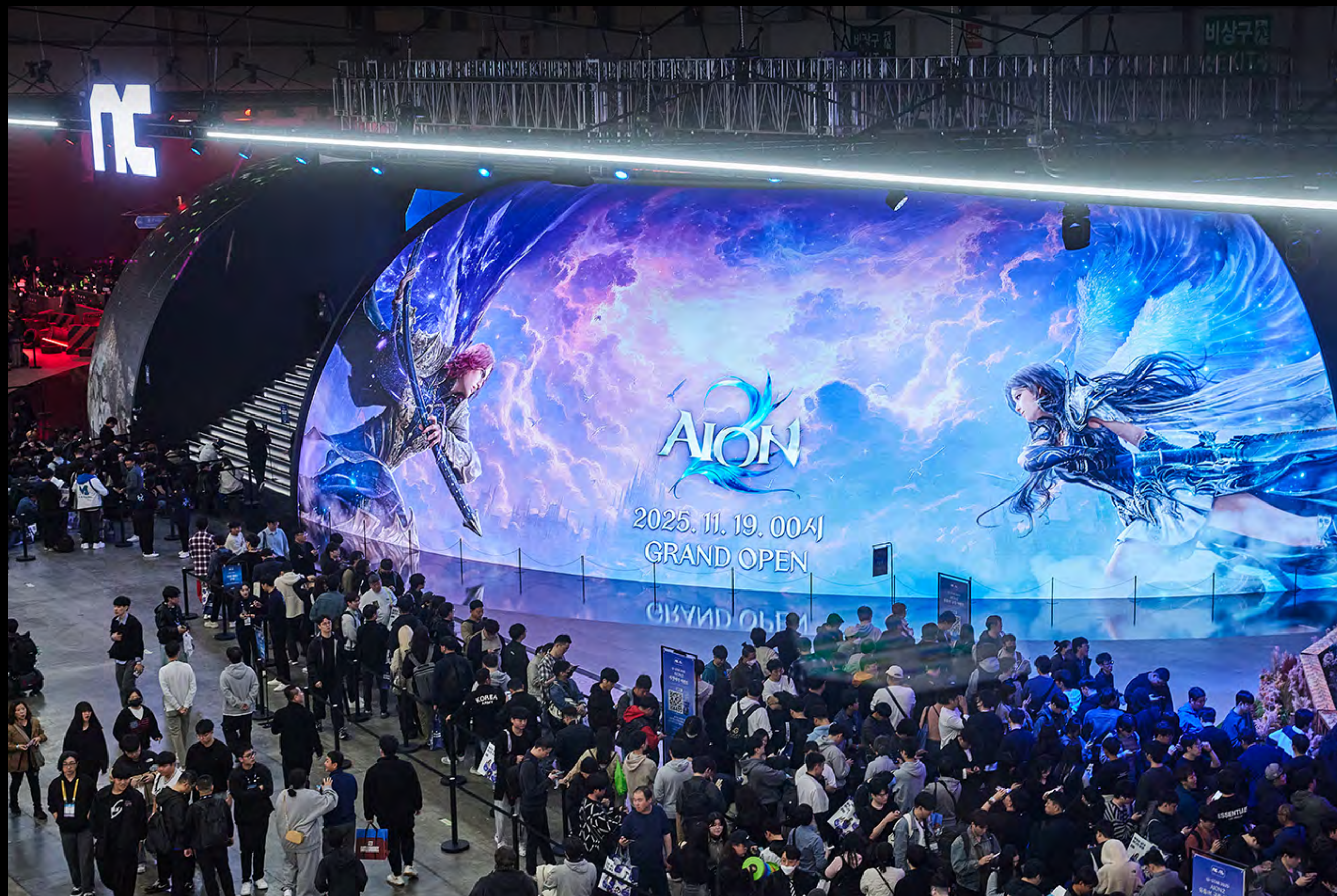
Instead of square panels, Dome LED uses vertically segmented modules — similar to the shape of a tangerine peel.

This structure allows precise curvature control and seamless dome construction.





# Projects

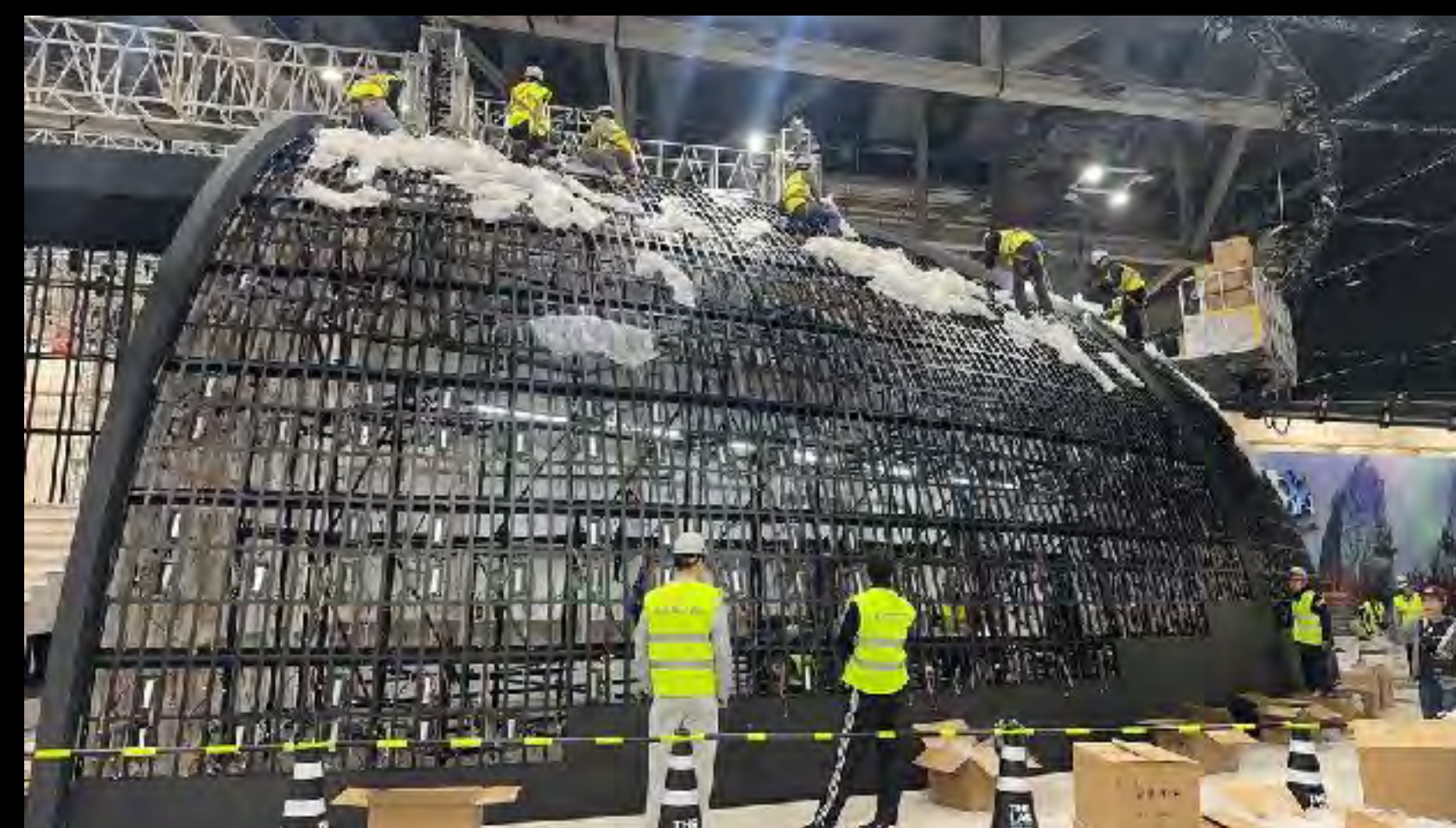
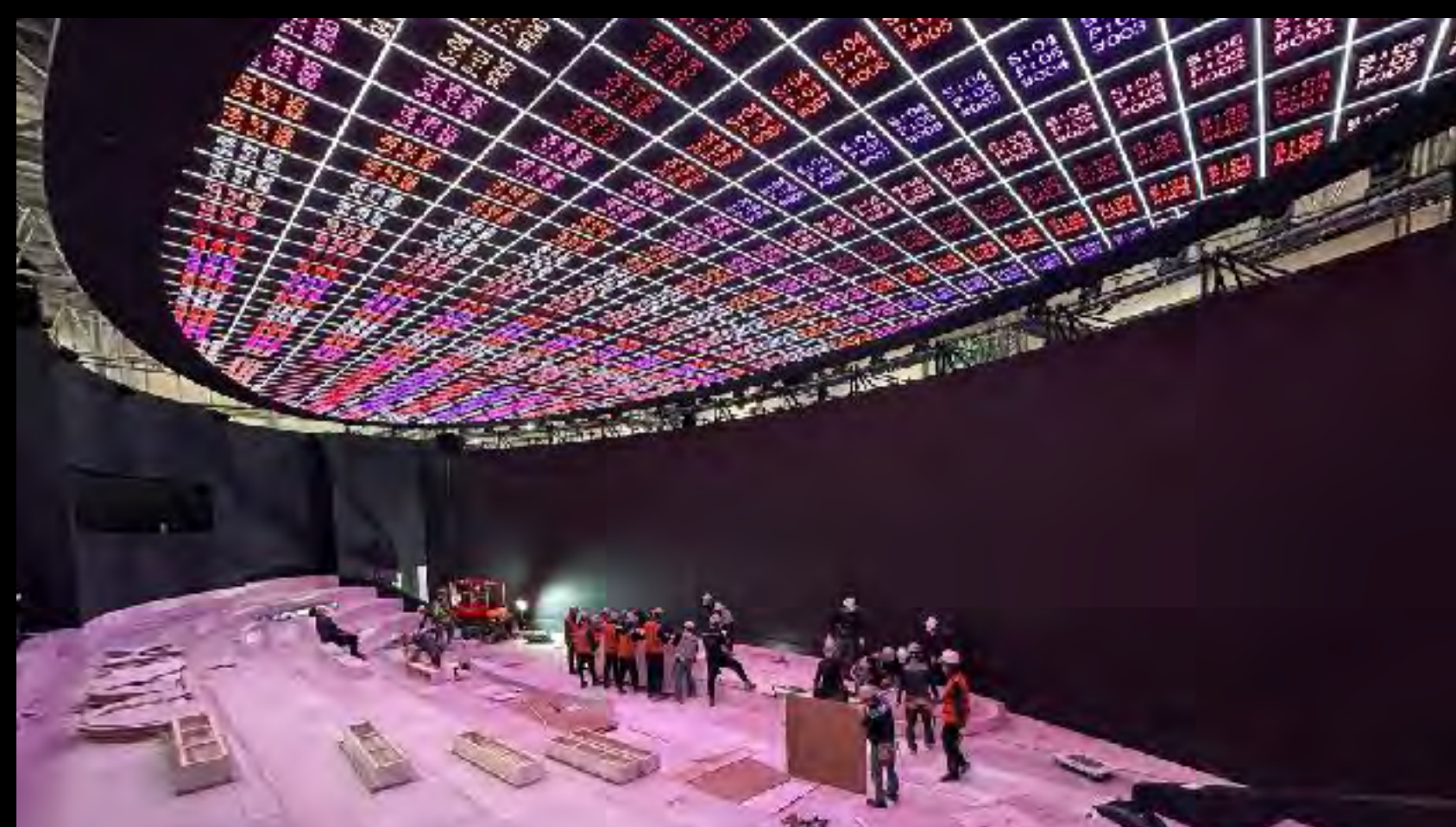


For the NCSoft project, a total of 18,016 tangerine-peel modules were used for the dome alone. The structure measures 44 m in width and 8 m in height. On-site installation was completed over three days, with a rotating crew of approximately 100 personnel.





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.





# nc







# Technical Overview

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## **Key Specifications**

Pixel Pitch  
P2.5 (2.5 mm)

Refresh Rate  
3,840 Hz

Brightness / Contrast Ratio  
500 cd/m<sup>2</sup> / 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

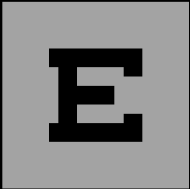


1	Model No.	P2.5
2	Pixel Pitch	2.5mm
3	Control System	Mooncell
4	Module Dimensions	Custom-made
5	LED Type	SMD1515
6	Pixel Density	160000pixel/m²
7	Screen area	434m²
8	Cabinet Dimensions	Custom
9	Cabinet resolution	648*420
10	Cabinet Type	Iron cabinet
11	Model resolution	Custom
12	Module gap	≤0.5mm
13	Module Mounting Method	Magnetic-Attachment
14	Panel Weight	≤10kg/m²
15	Scan Rate	1/35
16	Brightness	>500cd/m²
17	Refresh Rate	3840hz
18	Contrast	5000:01:00
19	Gray scale	65536
20	Color temperature	5500K~9300K
21	Ave Power Consumption	≤240W/m²
22	MaxPower Consumption	≤800W/m²
23	Optimal viewing distance	5~100m
24	Viewing angle	( H ) 160°/ ( V)160°
25	Operating Voltage	AC220V
26	Display Panel Power	≤0.8kw/m²
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

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<div>Package A</div> <div>Reference-Based Rental</div> <div>\$1.0 M+</div>	<div>Package B</div> <div>Custom Configuration</div> <div>\$1.5 M+</div>	<div>Package C</div> <div>Permanent Installation &amp; Operation</div> <div>Custom Quote</div>
<div>✓</div> <div>Dome LED system rental (reference-based configuration)</div>	<div>✓</div> <div>Custom dome LED configuration (size, layout, type)</div>	<div>✓</div> <div>Custom dome LED configuration (size, layout, type)</div>
<div>✓</div> <div>Standard hardware setup (same as existing case studies)</div>	<div>✓</div> <div>Hardware system rental</div>	<div>✓</div> <div>Hardware supply and permanent installation</div>
<div>✓</div> <div>Basic installation &amp; dismantling support</div>	<div>✓</div> <div>Basic installation &amp; dismantling support</div>	<div>✓</div> <div>Structural coordination and construction support</div>
<div>✓</div> <div>Standard on-site technical support during exhibition period</div>	<div>✓</div> <div>Technical consultation for layout and system planning</div>	<div>✓</div> <div>System commissioning and testing</div>
<div>* Shipping costs are not included.</div>	<div>✓</div> <div>Standard on-site technical support during exhibition period</div>	<div>✓</div> <div>Ongoing maintenance and technical support</div>
	<div>* Design and engineering services are quoted separately based on project scope.</div>	<div>✓</div> <div>Operation support up to XX years (customizable)</div>

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

# EOD



## EIDETIC

222, Pacific Coast Highway  
10th Floor El Segundo, CA 90245  
[www.eideticmarketing.com](http://www.eideticmarketing.com)

657-34 Yeoksam-dong, Gangnam-gu,  
Seoul, Republic of Korea

H212/213-2, 2F, 218 Huting N Rd,  
Songjiang Qu, Shanghai, China, 201615