



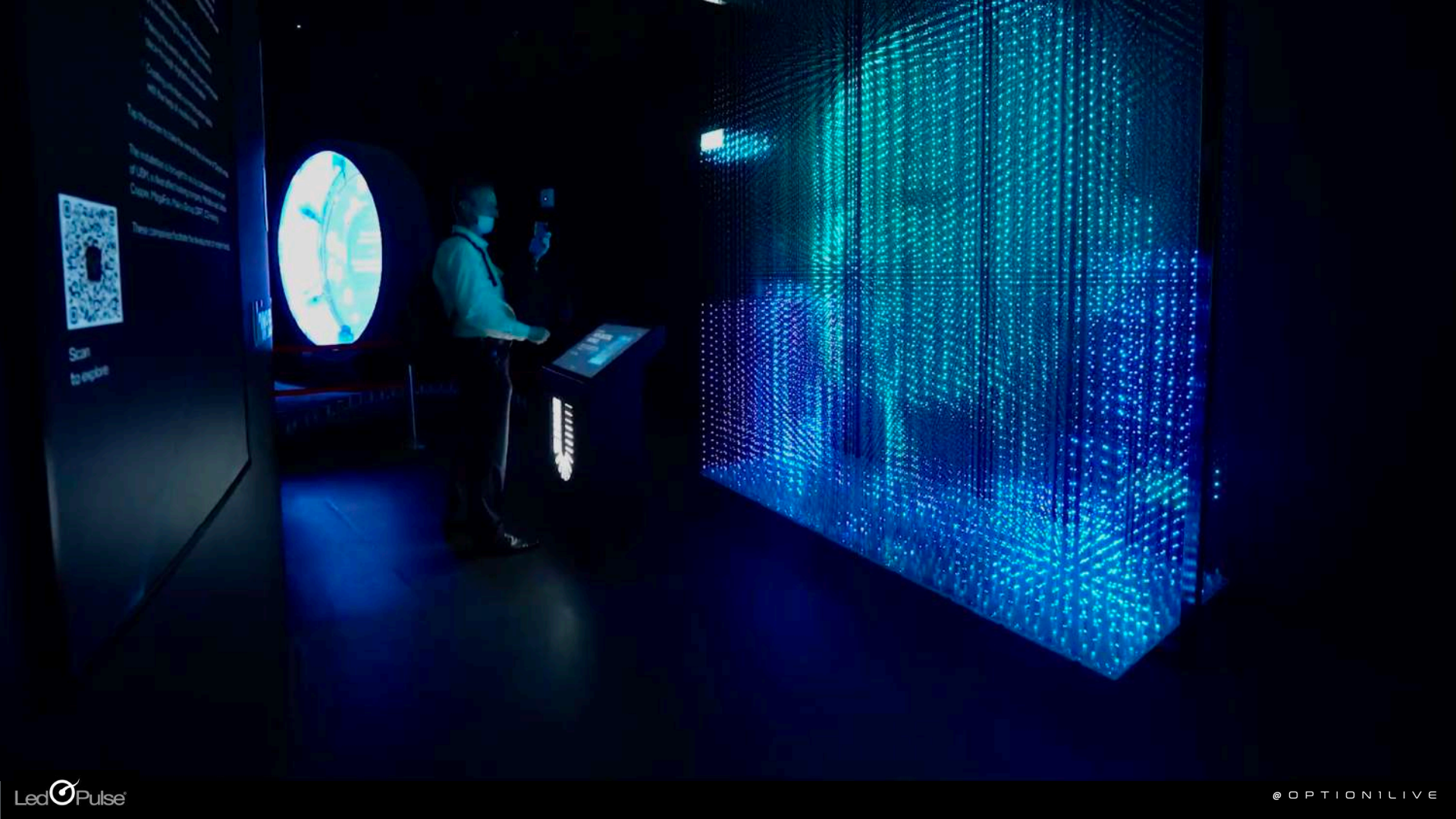
BENDING THE WORLD
A contribution to the world of art & creation

DragonO²- Volumetric Led Display

Transport into the spectacular world of real 3D spaces formed by thousands of Pixels, Art and Technology. With complete custom array control, full RGB range and integration with motion tracking sensors, music, touch interfaces, face tracking and so much more, this display technology can create some truly unique experiences.

REAL 3D ART . MOTION CONTROL . FULL RGB COLOR RANGE . FULLY CUSTOMIZABLE





Scan
to explore

The exhibition is a collaboration between the
University of Oxford and the British Library, featuring
the world's largest collection of ancient Greek and
Roman manuscripts, including the famous
Papyrus of Oxyrhynchus.

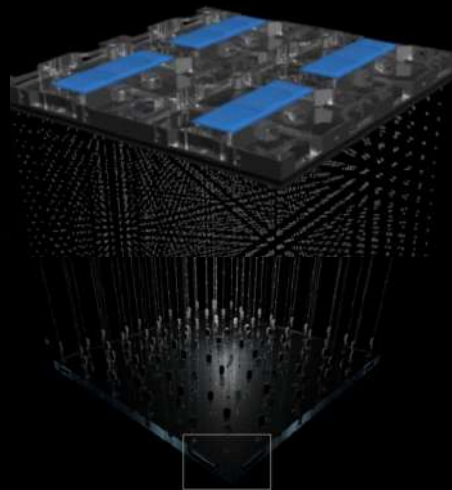
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HARDWARE 

DragonO2
Module:

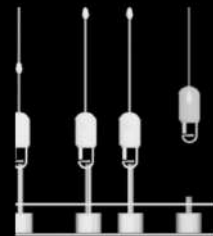
17.5 Kilos per
module



Magnetic floor

Box Size:

53CM X 53CM
X 25CM



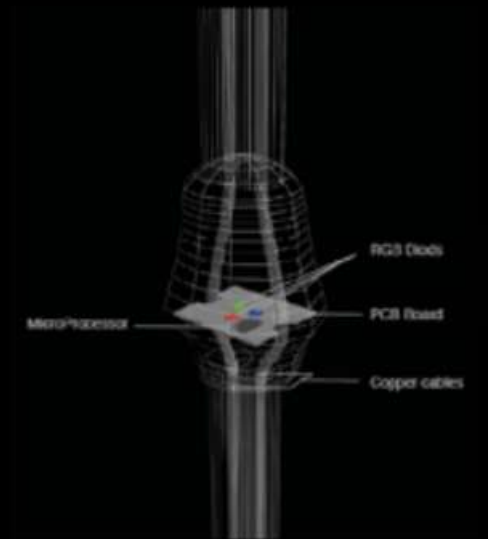
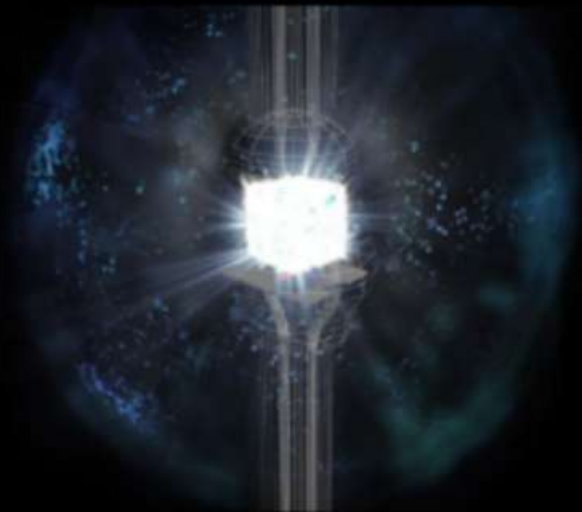
Silicone Shock Absorbers

DragonO2
Modular PCBs



Installation DragonO²

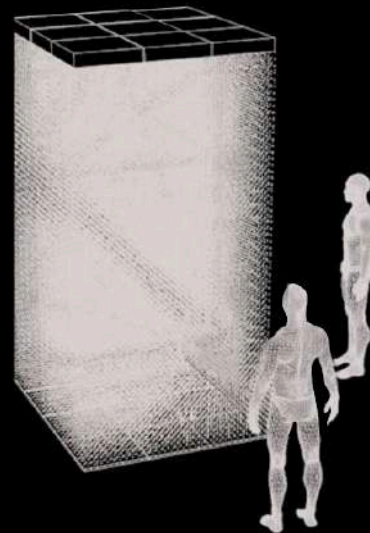
32 Preprogrammed MCU Slave Controllers
Master LED Controllers & Customized setup
6000 LED Neurons per module



Hardware DragonO²

Configuration 1

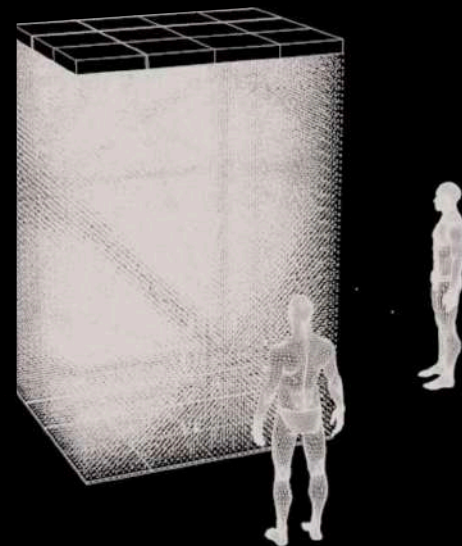
- Modules : 9
- Module Size : 50cm X 50cm X 3,10m
- Strings Height : 3m
- Installation Size : 1.5m Wide X 1.5m Deep X 3.10m High
- Strings :900
- Voxels [NEURON LEDs] :54,000
- Organic System : Voxel distribution 2.5 pitch
- Silicone Shock absorbers : 900
- Master Controllers : 1



Hardware DragonO²

Configuration 2

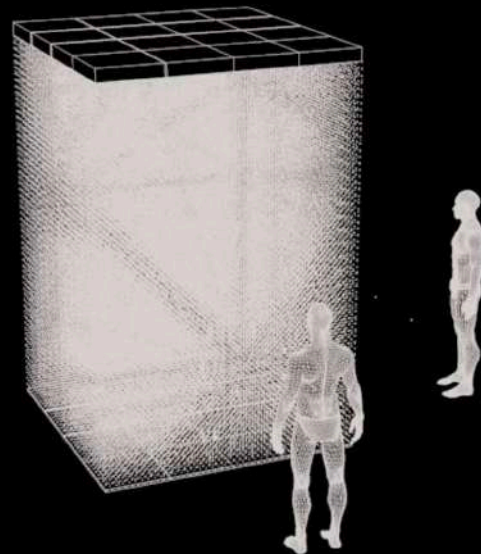
- Modules : 12
- Module Size : 50cm X 50cm X 3,10m
- Strings Height : 3.m
- Installation Size : 2m Wide X 1.5m Deep X 3.10m High
- Strings :1200
- Voxels [NEURON LEDs] :72,000
- Organic System : Voxel distribution 2.5 pitch
- Silicone Shock absorbers : 1200
- Master Controllers : 2



Hardware DragonO²

Configuration 3

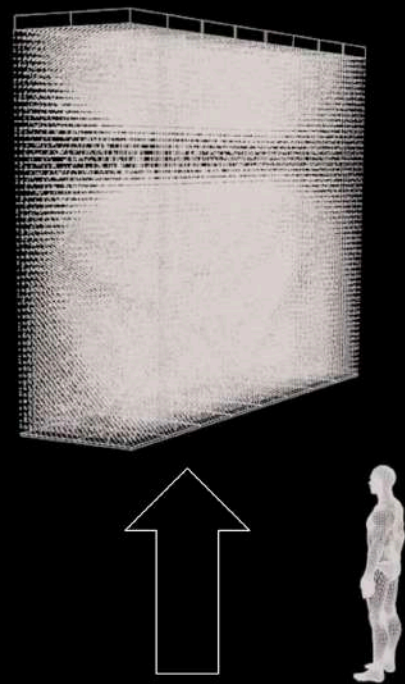
- Modules : 16
- Module Size : 50cm X 50cm X 3,10m
- Strings Height : 3.m
- Installation Size : 2m Wide X 2m Deep X 3.10m High
- Strings :1200
- Voxels [NEURON LEDs] :96,000
- Organic System : Voxel distribution 2.5 pitch
- Silicone Shock absorbers : 1600
- Master Controllers : 2



Hardware DragonO²

Configuration 4

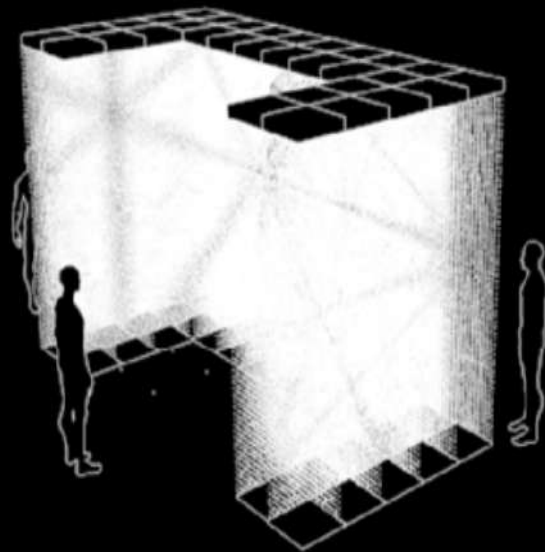
- Modules : 16
- Strings Height : 3m
- Installation Size : 4m Wide x 1m Deep x 3,10 Height
- Strings : 1600
- Silicone Shock absorbers : 1600
- Master Controllers : 2



Hardware DragonO²

Configuration 5

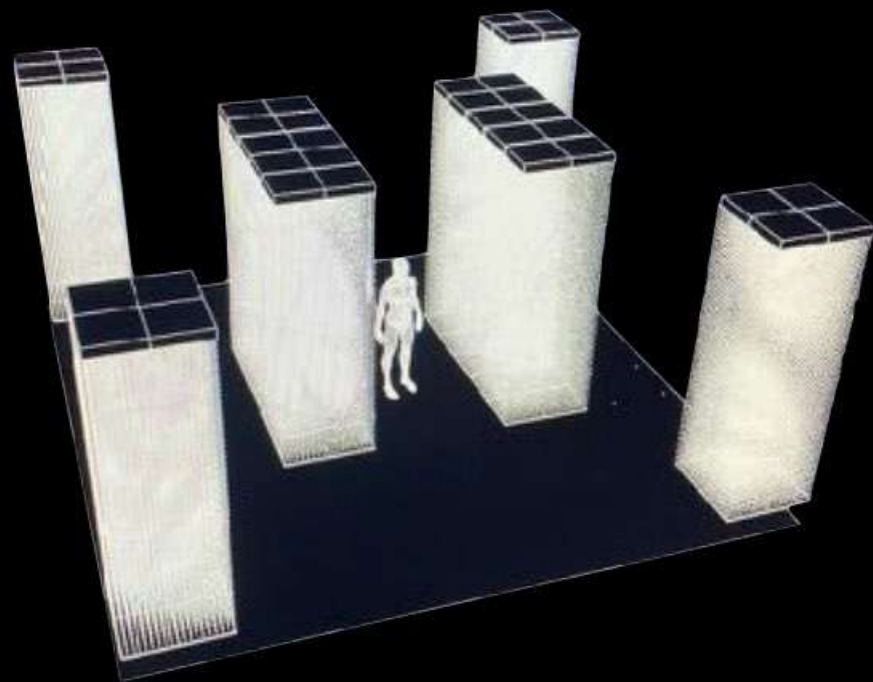
- Modules : 32
- Module Size : 50cm X 50cm X 3,10m
- Strings Height : 3.m
- Installation Size columns x 2:
- 5m Wide X 2.5m Deep X 3.10m High
- Strings : 3200
- Voxels [NEURON LEDs] : 192,000
- Organic System : Voxel distribution 2.5 pitch
- Silicone Shock absorbers : 3200
- Master Controllers : 2



Hardware DragonO²

Configuration 6

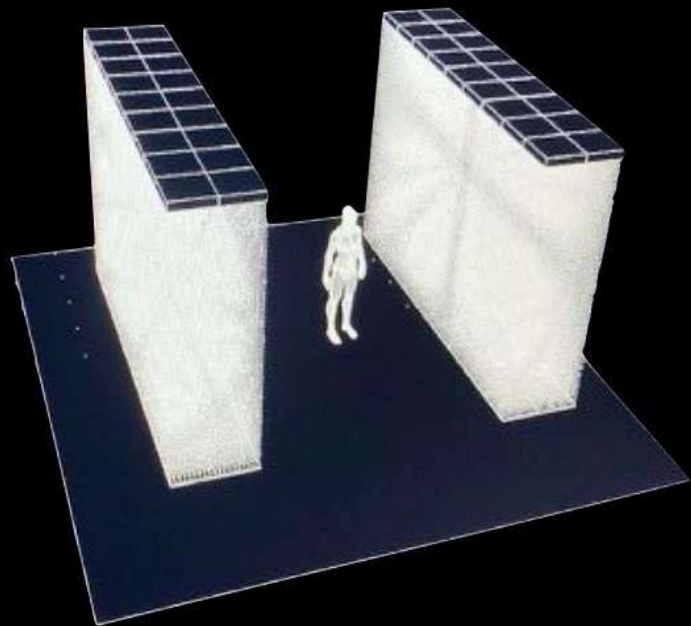
- Modules : 36
- Module Size : 50cm X 50cm X 3,10m
- Strings Height : 3.m
- Installation Size Outer pillars x 4:
1m Wide X 1m Deep X 3.10m High
- Installation Size Inner columns x 2:
2.5m Wide X 1m Deep X 3.10m High
- Strings : 3600
- Voxels [NEURON LEDs] : 216,000
- Organic System : Voxel distribution 2.5 pitch
- Silicone Shock absorbers : 3600
- Master Controllers : 3



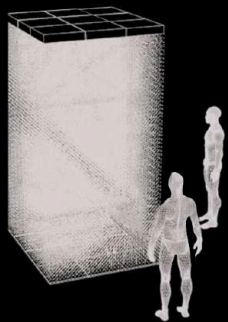
Hardware DragonO²

Configuration 7

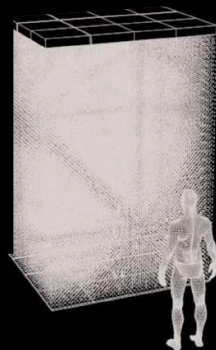
- Modules : 36
- Module Size : 50cm X 50cm X 3,10m
- Strings Height : 3.m
- Columns x 2
- Installation Size 4.5m Wide X 1m Deep X 3.10m High
- Strings : 3600
- Voxels [NEURON LEDs] : 216,000
- Organic System : Voxel distribution 2.5 pitch
- Silicone Shock absorbers : 3600
- Master Controllers : 3



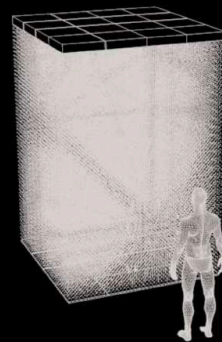
Configurations DragonO²



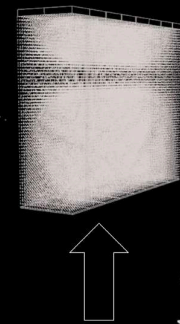
9 MODULES
1.5M(W) X 1.5M(D) X 3.10(H)



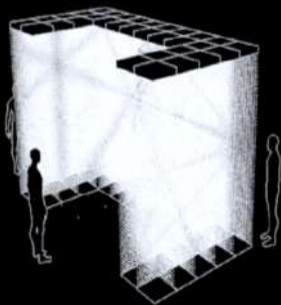
12 MODULES
2M(W) X 1.5M(D) X 3.10(H)



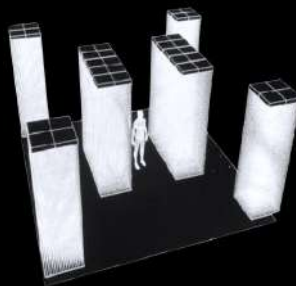
16 MODULES
2M(W) X 2M(D) X 3.10(H)



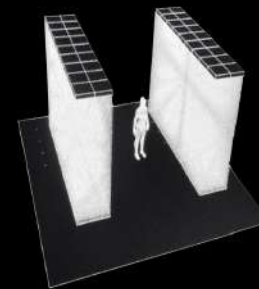
16 MODULES
4M(W) X 1M(D) X 3.10(H)



32 MODULES
5M(W) X 2.5M(D) X 3.10(H)



36 MODULES
(4 X) 1M(W) X 1M(D) X 3.10(H)
2.5M(W) X 1M(D) X 3.10(H)



36 MODULES
4.5M(W) X 1M(D) X 3.10(H)

Interact with DragonO²



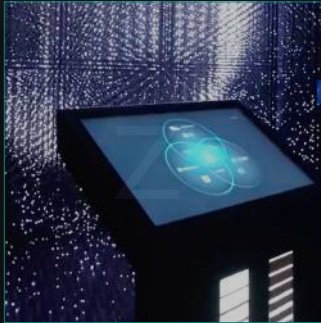
PROXIMITY SENSING



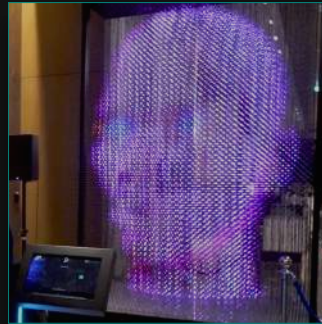
GESTURE CONTROL



REAL TIME 3D MOTION TRACKING



TOUCH INTERFACE



INTELLENT AI AVATAR



VIRTUAL MC

SOFTWARE 

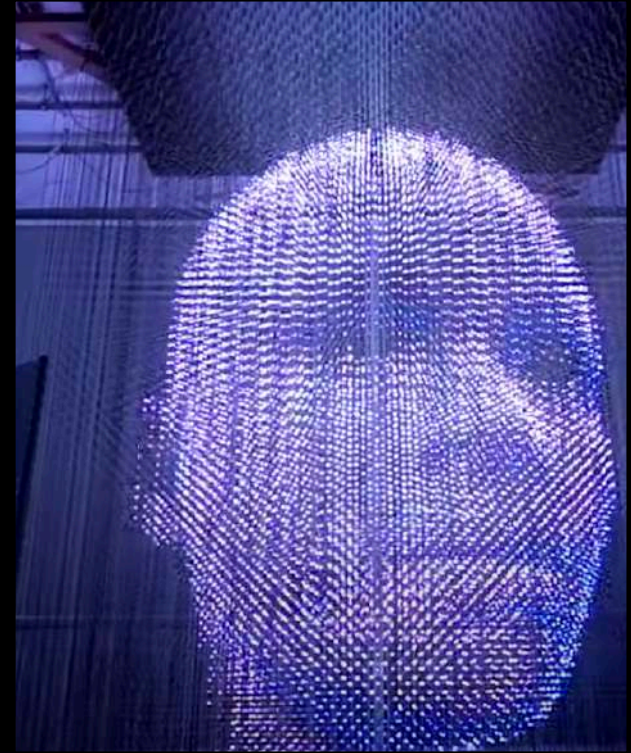
Software DragonO²

We provide

- LED neurons self-addressing Programming (Voxels)
- Master LED controller customized configuration
- DMF compressor (DragonO movie file)
- MCU programming
- Interactive Capabilities

Software interaction Levels:

1. Pre programmed Content
2. Online CM control
3. Generative content (On demand)
4. Music control
5. DMX integration



CONTENT 

Content DragonO²

We provide :

- Volumetric content adaptation to the format (.DMF Dragon Movie files)
- Volumetric content optimization
- Skin processing
- Voxel by Voxel content simulation
- Content testing in our Dubai lab, prior to installation





LED Motion Tracking



Multi-dimensional LED
Display



Real-Time Visual
Content



3D Sound System



Show Reels Dragon O²



VOLUMETRIC DISPLAY



CES LAS VEGAS



JAX ART FESTIVAL



ME DUBAI



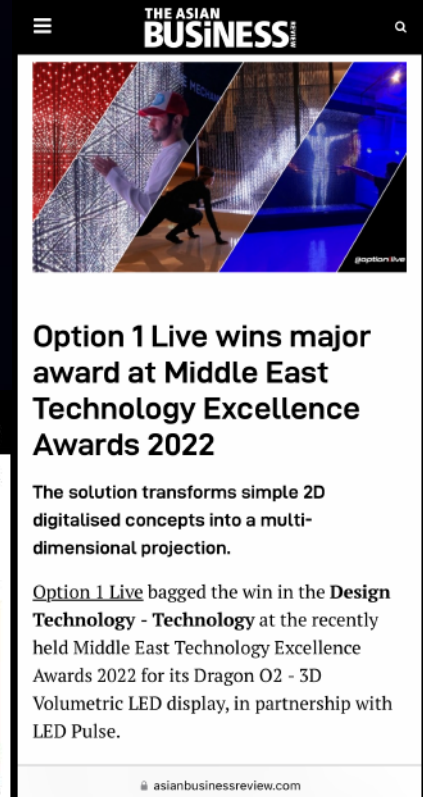
EXPO- RUSSIA PAVILION



XVERSE - GITEX

Click On The [Arrows](#) On The Respective Images To Watch Reference Video

Award Winning Technology- Dragon O²



#wemakeithappen

Option 1 has grown over the years with strategic investments in business vertical with in-house expertise to bridging the gap and push the limits on technology, mixed media and cross platform integrations.

نمت أوبشن وان على مر السنين من خلال الاستثمارات الإستراتيجية في قطاع الأعمال لسد الفجوة ودفع حدود التكنولوجيا والوسائط المختلفة والتكامل عبر الأنظمة الأساسية.

UAE
KSA
EGYPT
INDIA
PHILIPPINES

الإمارات
السعودية
مصر
الهند
الفلبين

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