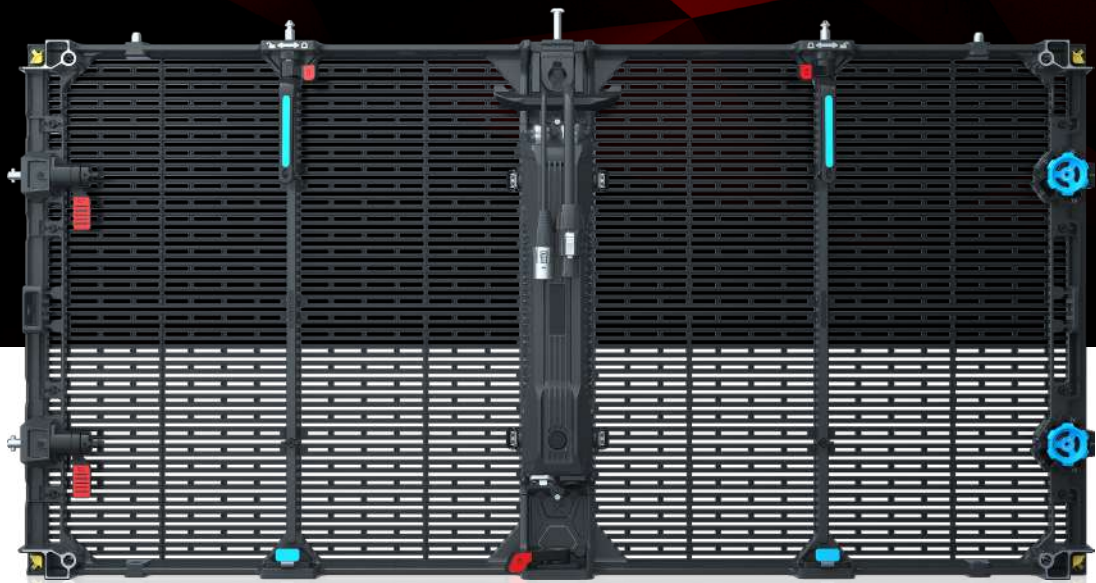# ORION 2.0

RENTAL TRANSPARENT LED DISPLAY

OVERVIEW

The ORION 2.0 represents the cutting-edge advancement within the transparent LED cabinet series designed specifically for rental applications. Distinguishing itself from previous models, it boasts enhanced durability against environmental factors and physical impact. Additionally, it incorporates features tailored for touring, including corner protections and an optimized toolless locking system. Characterized by its high brightness and straightforward back maintenance, this product proves to be exceptionally well-suited for outdoor touring LED screens.

APPLICATION
Outdoor

INGRESS PROTECTION
IP65 (front) / IP54 (back)

PIXEL PITCH
P3.9a7.8

DISPLAY AREA (W x H)
1000 x 500 mm

BRIGHTNESS
≤ 5000 NITS

WEIGHT
7.9 kg/cabinet

MATERIAL
Die-casting aluminum

MAINTENANCE
Back maintenance

FEATURES

1000 x 500 x 85 mm

KING PIN

FIXATION HOLES

CABINET HANDLES

TRANSPARENT MODULES
(40% TRANSPARENCY)

POWER BOX

TOOLLESS
LOCKING SYSTEM

TEST BUTTON

CORNER PROTECTION

CURVE LOCKING SYSTEM

DIE-CASTING
ALUMINUM FRAME

POWER BOX
LOCKING SYSTEM

DÉTAILS

CORNER PROTECTIONS

MASTER KINGPIN

OPTIMIZED SHADERS + 40% TRANSPARENCY RATE

T HANDLE FOR FREE CABLE PASSAGEWAY + STACKING SYSTEM

HANDLE / CABINET LOCKING SYSTEM

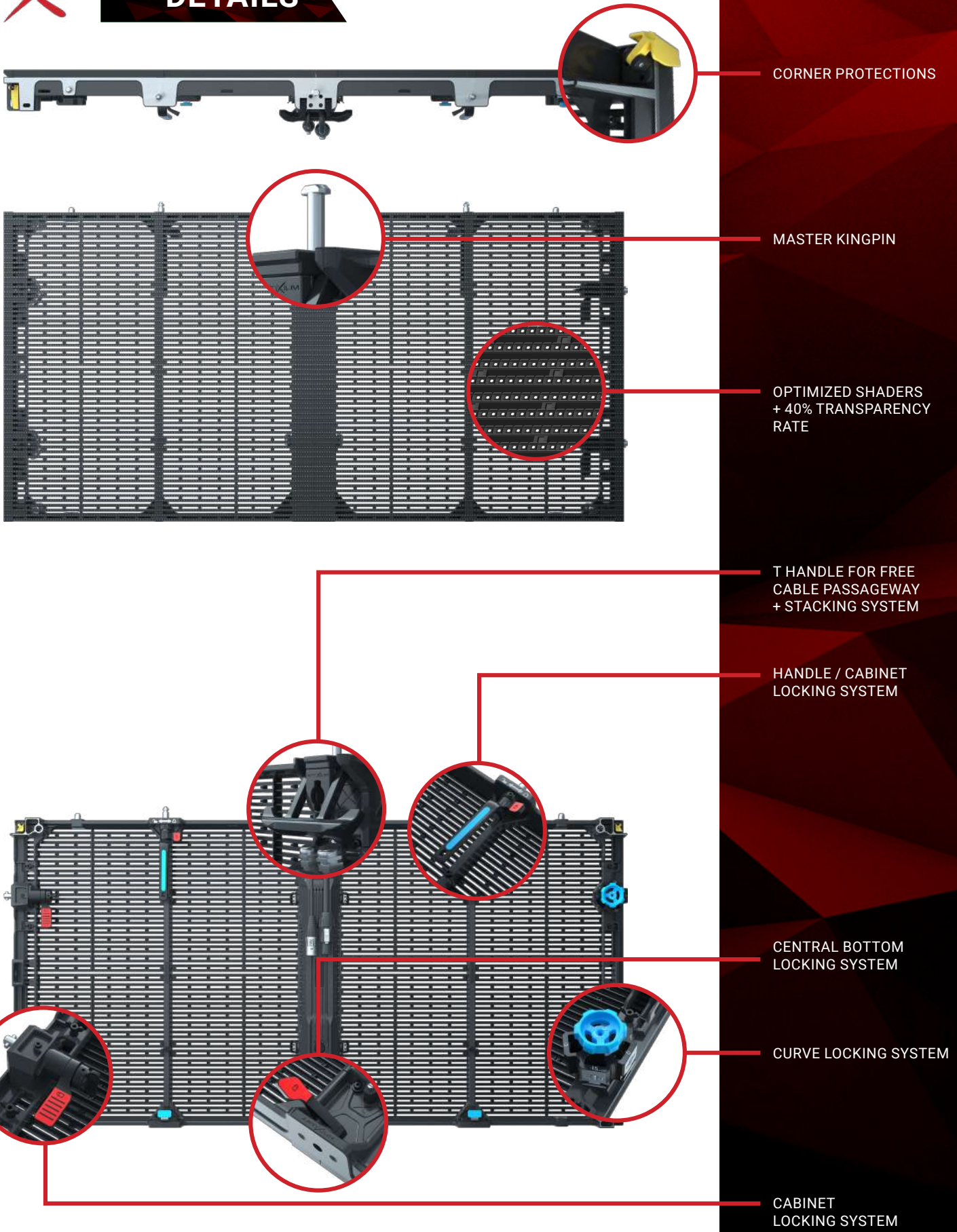CENTRAL BOTTOM LOCKING SYSTEM

CURVE LOCKING SYSTEM

CABINET LOCKING SYSTEM

## HIGH MECHANICAL RESISTANCE

The ORION 2.0 underwent thorough testing for both compressive and tensile load resistance, demonstrating resilience by withstanding pressures of up to 1.8 tons before reaching the breaking point. Combined with the cabinet's corner protections and flexible masks, this feature ensures the robustness and longevity of your transparent LED cabinet rental fleet.
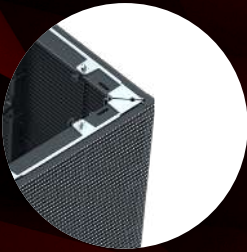
90° ANGLES AVAILABLE

HANGING BARS

TOOLLESS POWER BOX ACCESS

INTEGRATED CURVING SYSTEM

Equipped with a toolless curving system, the ORION 2.0 facilitates the creation of curved giant LED screens for scenic applications, allowing for angles of up to ±3° between two cabinets (customizable). The specially designed hanging bars seamlessly accommodate this feature, ensuring a straightforward assembly process for suspended curved transparent screens.
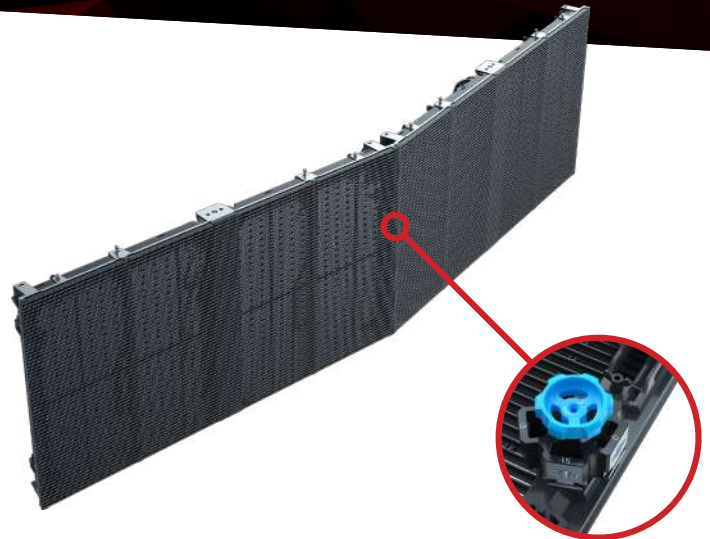
BACK MAINTENANCE

The ORION 2.0 cabinets are meticulously crafted to enable convenient back-end maintenance at various levels, including the cabinet, module, or power box. Engineered for efficiency, this toolless maintenance process is swift and can be executed by a single qualified technician.

TECHNICAL SPECIFICATIONS

| Product Parameters	Unit	INDOOR	
		3.9a7.8	
Pixel Pitch	mm	3,91 x 7,81	
LED		SMD1921 (Full Black Face)	SMD1921 (White face)
Application		Transparent LED Touring Cabinet	
Ingress Protection	IP	IP65 (front) / IP54 (back)	
Brightness	cd/m²	≤ 3500 Nits @5volts	≤ 5000 Nits @5volts
Transparency rate	%	40	
Color Temperature after calib (adjustable)	deg. K	6500	
Viewing Angle (50% brightness)	deg.	160 H / 160 V	
Cabinet Size (WxHxD)	mm	1004 x 532 x 86.5	
Display area (WxH)	mm	1000 x 500	
Module Size (WxHxD)	mm	500 x 250 x 10	
Pixel Matrix Per Cabinet (WxH)	px	256 x 64	
Pixel Matrix Per Module (WxH)	px	128 x 32	
Pixel Density	px/m²	32747	
Weight of cabinet and modules	kg	7.9	
Cabinet Material		Die-casting aluminum	
Maintenance Mode		Back	
Mask specification		95% Plastic + 5% Fiber / SS Screws / Shaders	
Contrast Ratio		High	
Grey scale (linear)	bit	16	
Brightness control	bit	16	
Processing depth	bit	16	
Color		281 Trillions	
Display Refresh Rate	Hz	3840	
Operation Power	V	AC85-230V	
Max. Power Consumption	W/m²	720	
Average Power Consumption	W/m²	240	
Control Mode		Synchronization	
Video Frame Rate	Hz	50/60Hz	
Input Types Supported		DVI / SDI / HDMI	
3D ready (optional)		Yes	
Calibration		Yes	
Lifetime (50% brightness)	h	50000	
Operating Humidity Range		10-95%	
Operating Temperature Range		-20°C / +60°C	
Screen Uniformity Correction		-	
Certification		CE / ETL / CCC	
Options		90° Bevelled cabinets / Hanging bars	
Compatibility		No	

TECHNICAL DRAWINGS

1004 x 532 x 86.5 mm cabinet
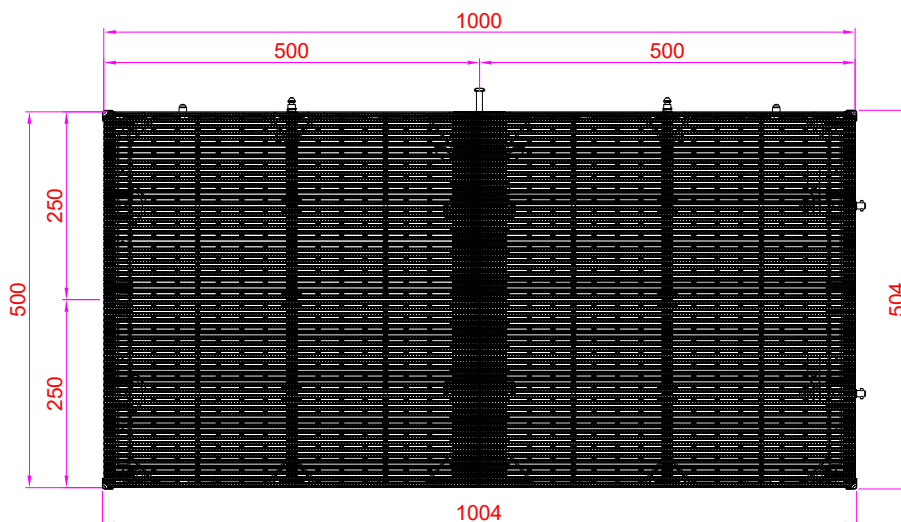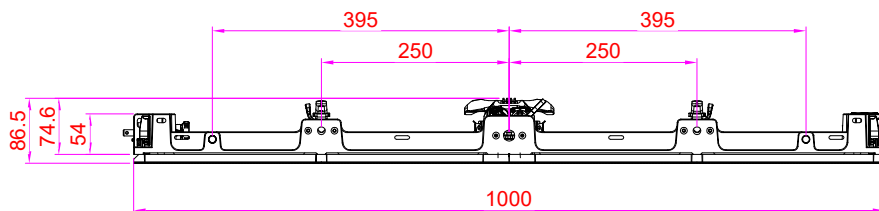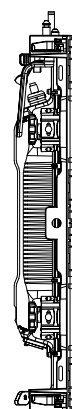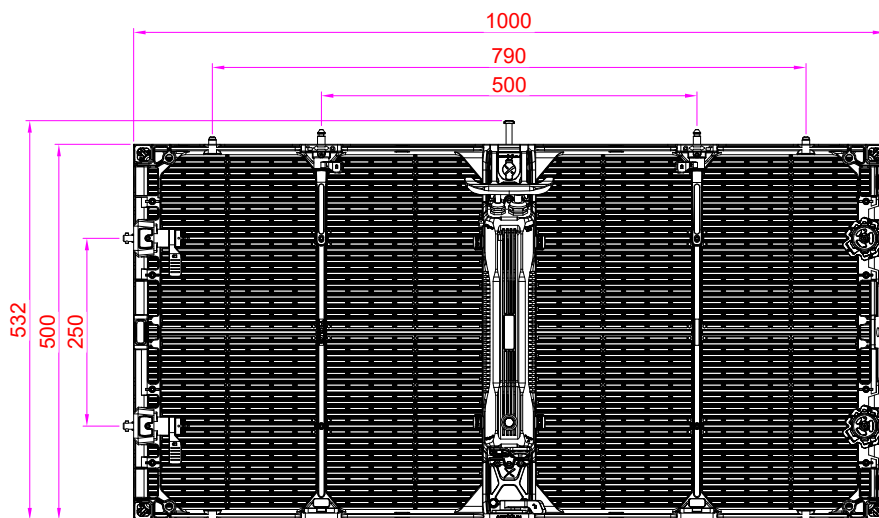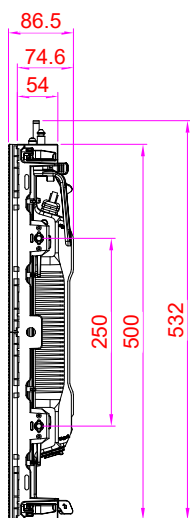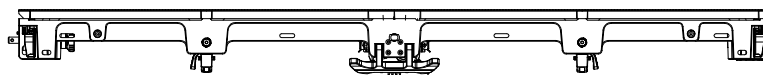
TECHNICAL DRAWINGS

Hanging bar
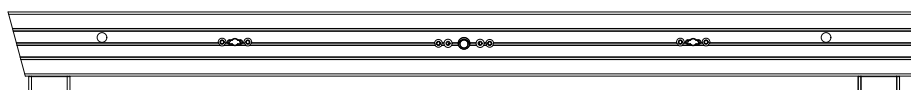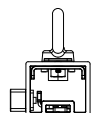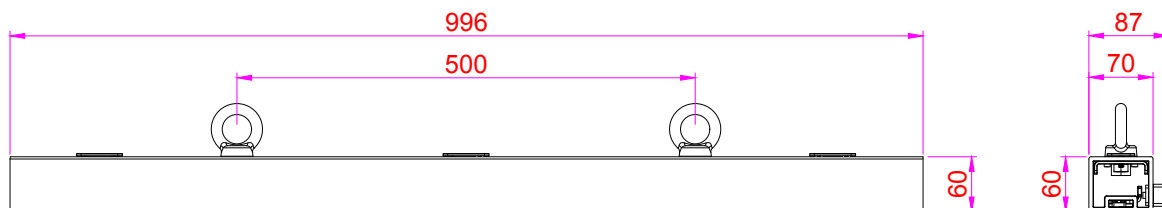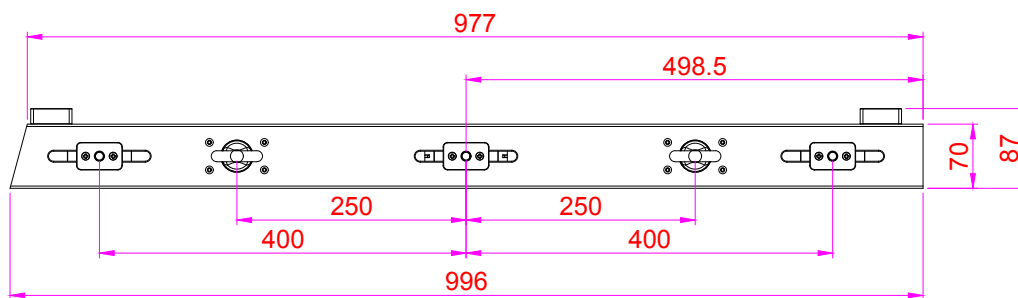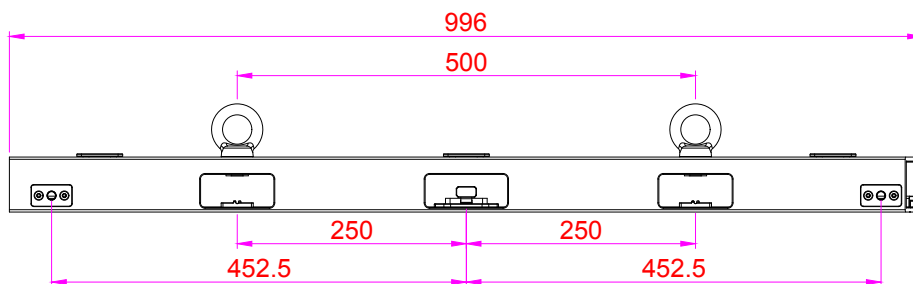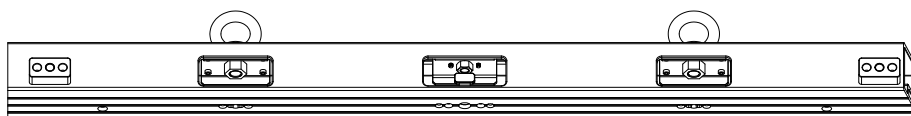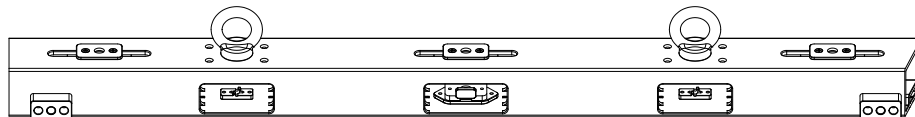
CONTACT

The Artixium regional branches are the key for the growth and development of our global network all over the world. Artixium's team is a spectrum of different nationalities and cultures, reflecting their global presence and mindset, making their communication smooth and hassle-free with clients from all around the world. Customer care, Innovation and flexibility has always been our values and we intend to keep this reputation for many years to come.

ARTIXIUM FRANCHISES
"From your project's conception to its completion."

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ARTIXIUM®

Since its creation in 2012 by two european entrepreneurs, Artixium has been evolving and always looking for innovative ways to contribute to the digital transition of our world. It only took a few years for Artixium to become a key player in the LED display industry.

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