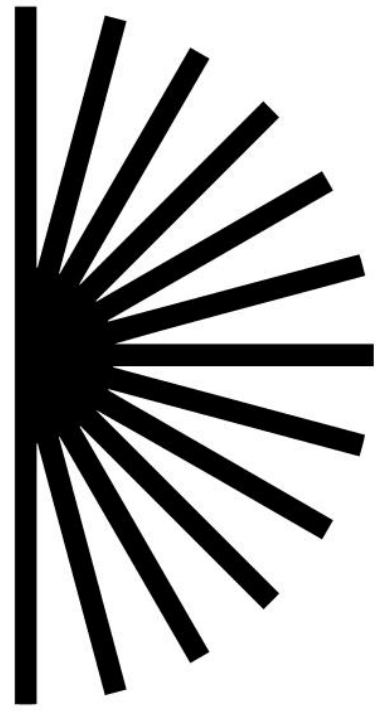# dreamlaser

dreamlaser is a world leader in the application of innovative multimedia technology. We have been developing and implementing creative, high-tech solutions since 2005. Today we cover the full production cycle, from concept development, laser scanning, and technical production to content production and full technical implementation using our own equipment.

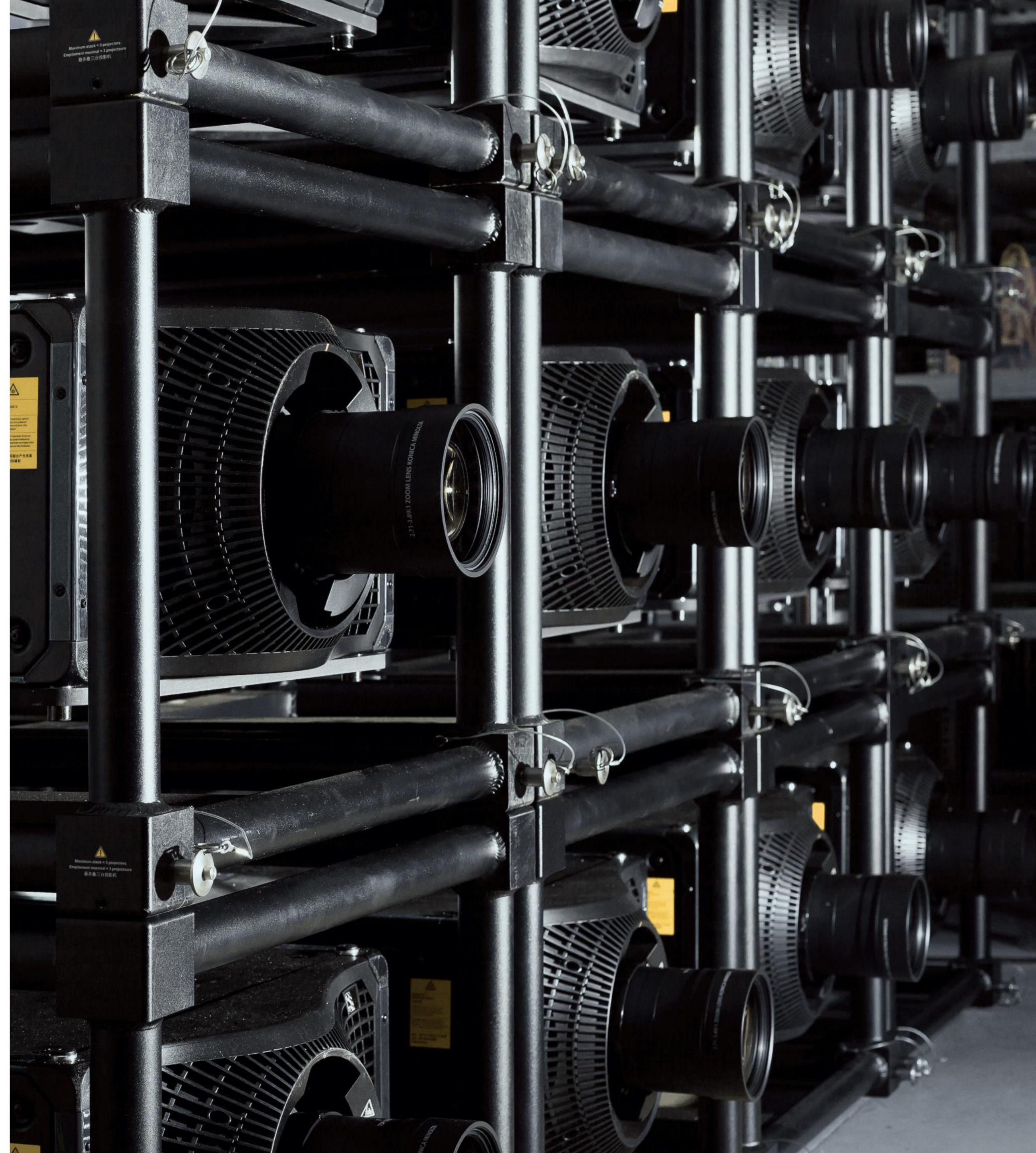# OUR
SHOWREEL

vimeo.com/dreamlaser

SERVICES

- Development and visualization of technical solutions. WYSIWYG
- Complete installation and configuration of equipment
- Permanent installation and integration of multimedia systems
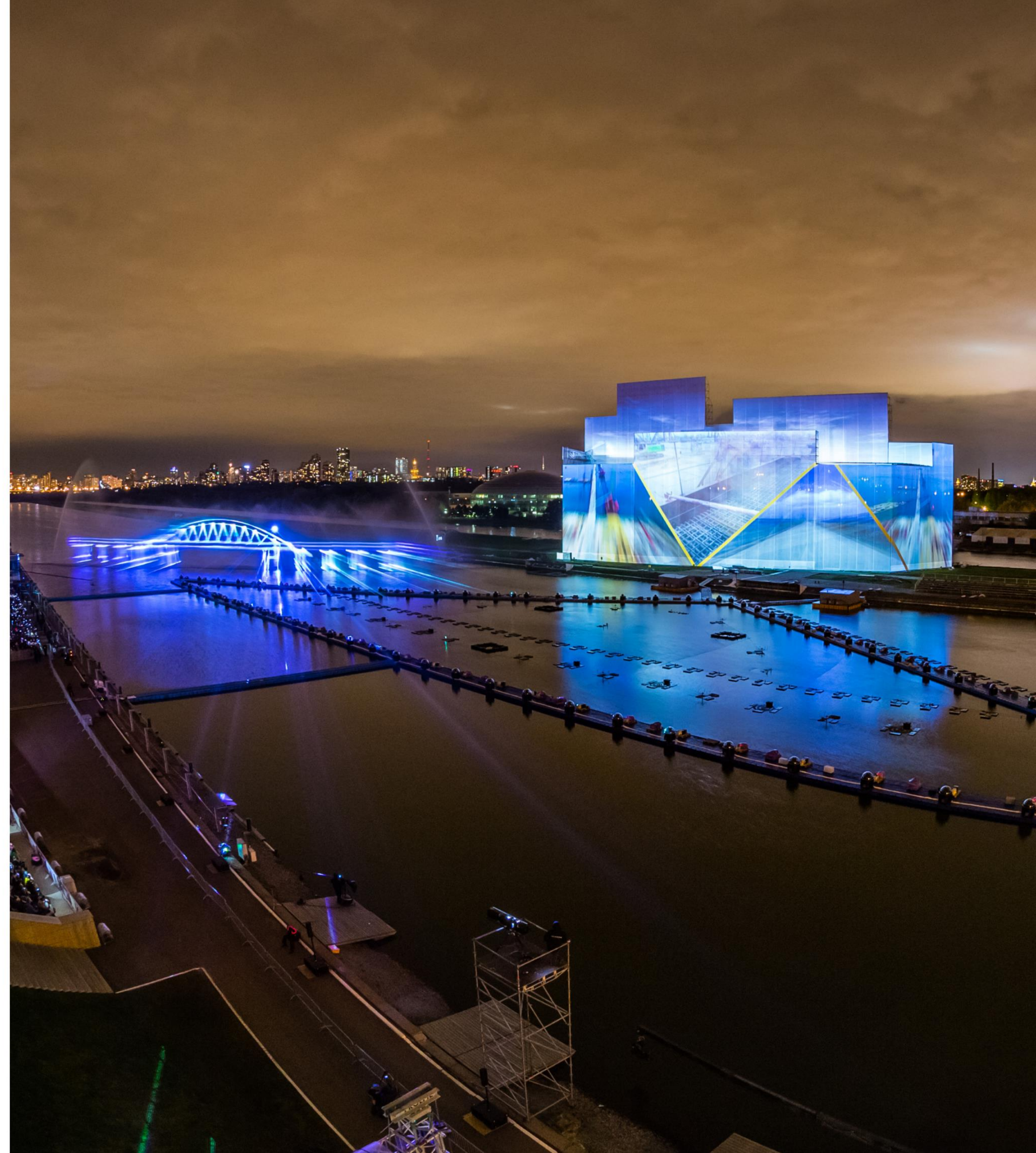- Laser scanning
- Our own logistics centre

EQUIPMENT

- Our own fleet of projection equipment, including more than 100 projectors with between 20,000 and 40,000 ANSI Lm capacity from Christie digital and Panasonic
- Programming and setup of disguise (d3) media servers
- 200 sqm of Absen PL2.5 Lite LED screens
- BlackTrax and S-Type (AR) intelligent tracking
- The largest fleet of KVANT laser projection
- systems in Russia, with more than 30 devices Russia's only company with disguise Studio status

QUALIFICATIONS

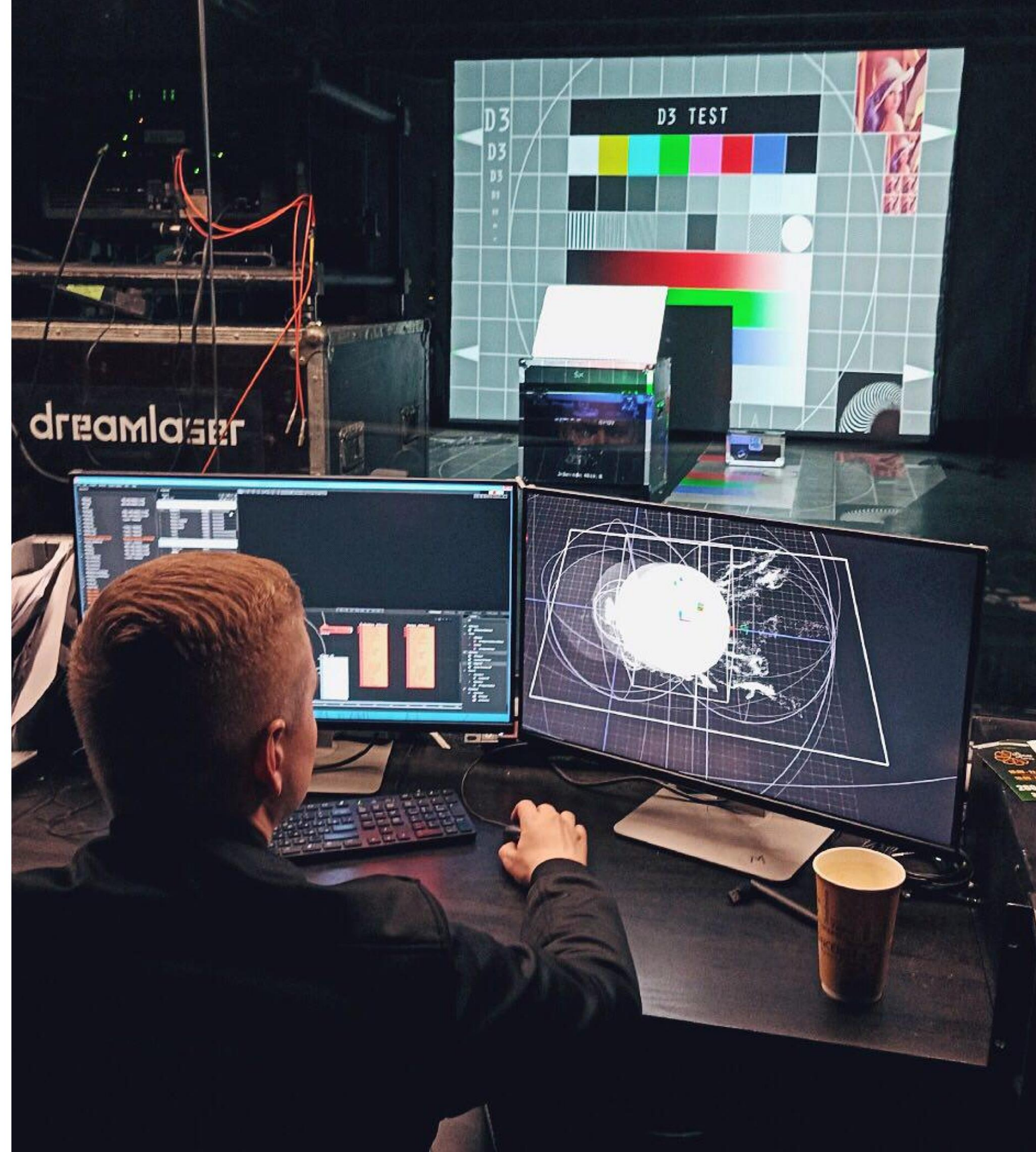Our technical specialists are fully trained and hold the following certifications:

- Certification for operation of dangerous laser equipment
- Certification for maintenance of display cubes, video projectors, controllers, and related software from Christie Digital
- Fundamental training, advanced training, and in-house certified trainer courses in programming and setup of disguise (d3) media servers
- Permit for working at height (2nd group)
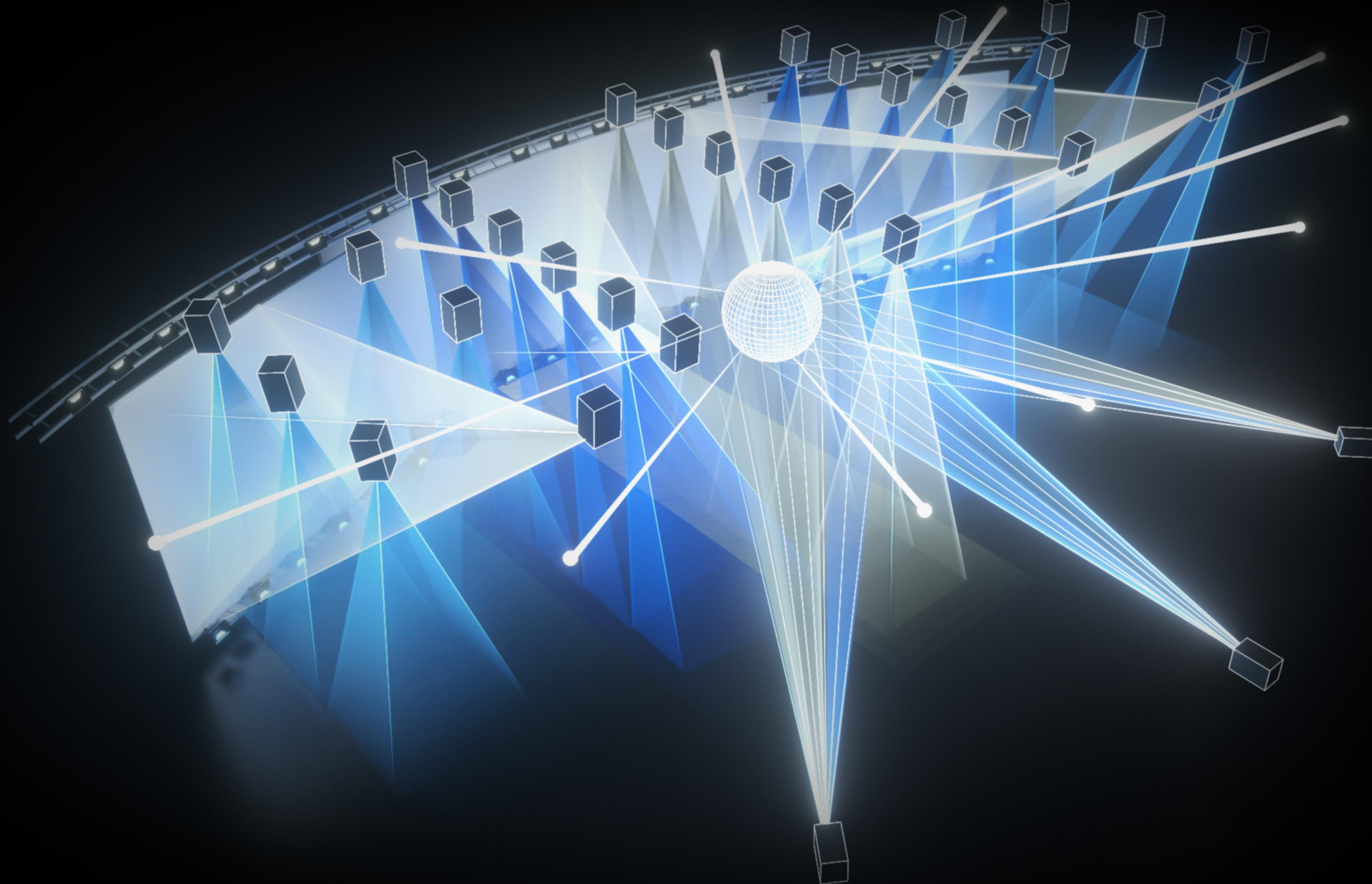- Permit for working with electrical installations (3rd group voltage)

BRANDS

We work directly with only the best
equipment manufacturers:
- CHRISTIE DIGITAL
- PANASONIC
- DISGUISE (D3)
- LIGHTWARE
- PANGOLIN LASER SYSTEMS
- KVANT LASERS
- ABSEN
- BLACKTRAX
- STYPE
- MAGIC FX
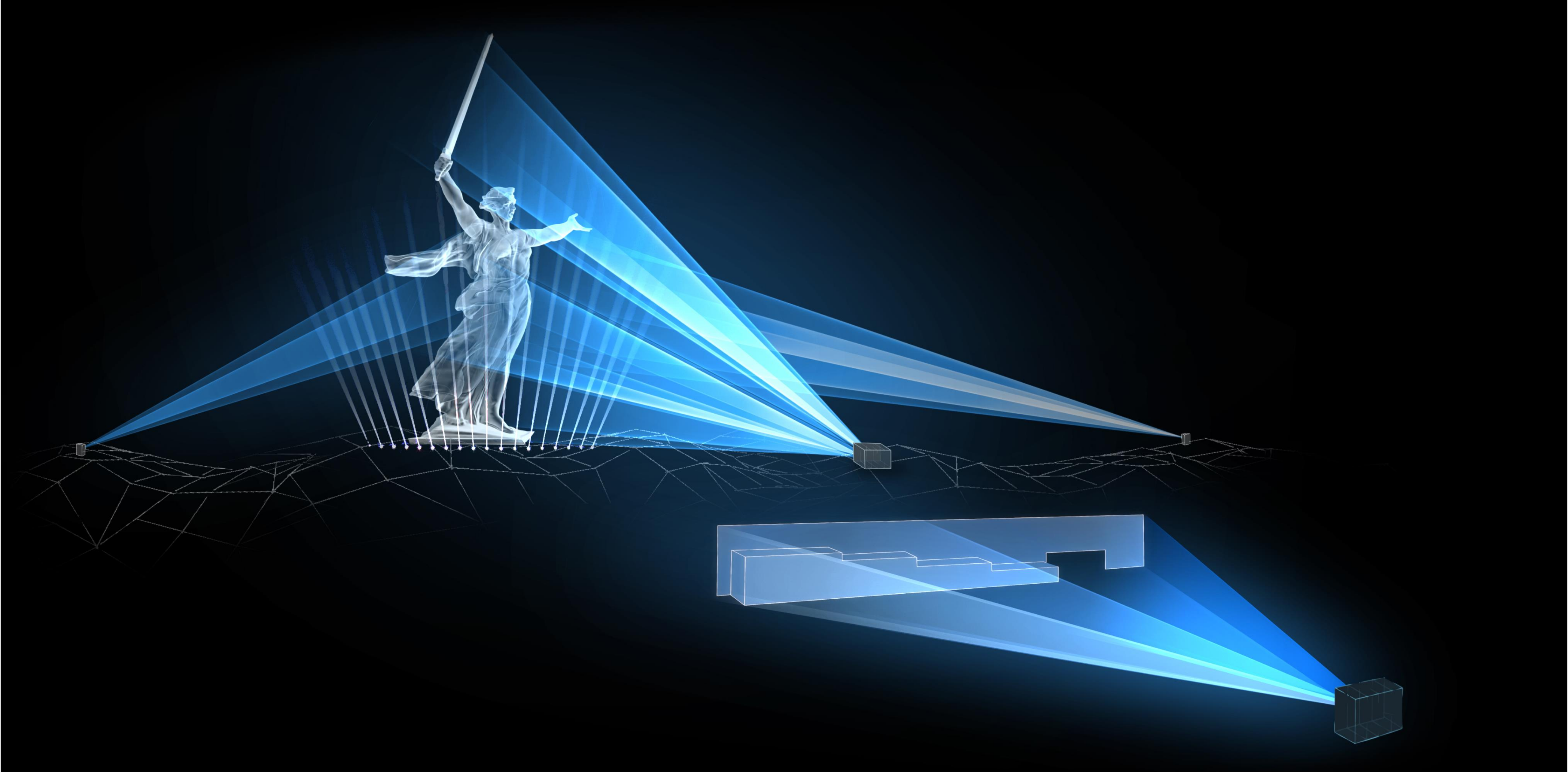- LAYHER
- MA LIGHTING
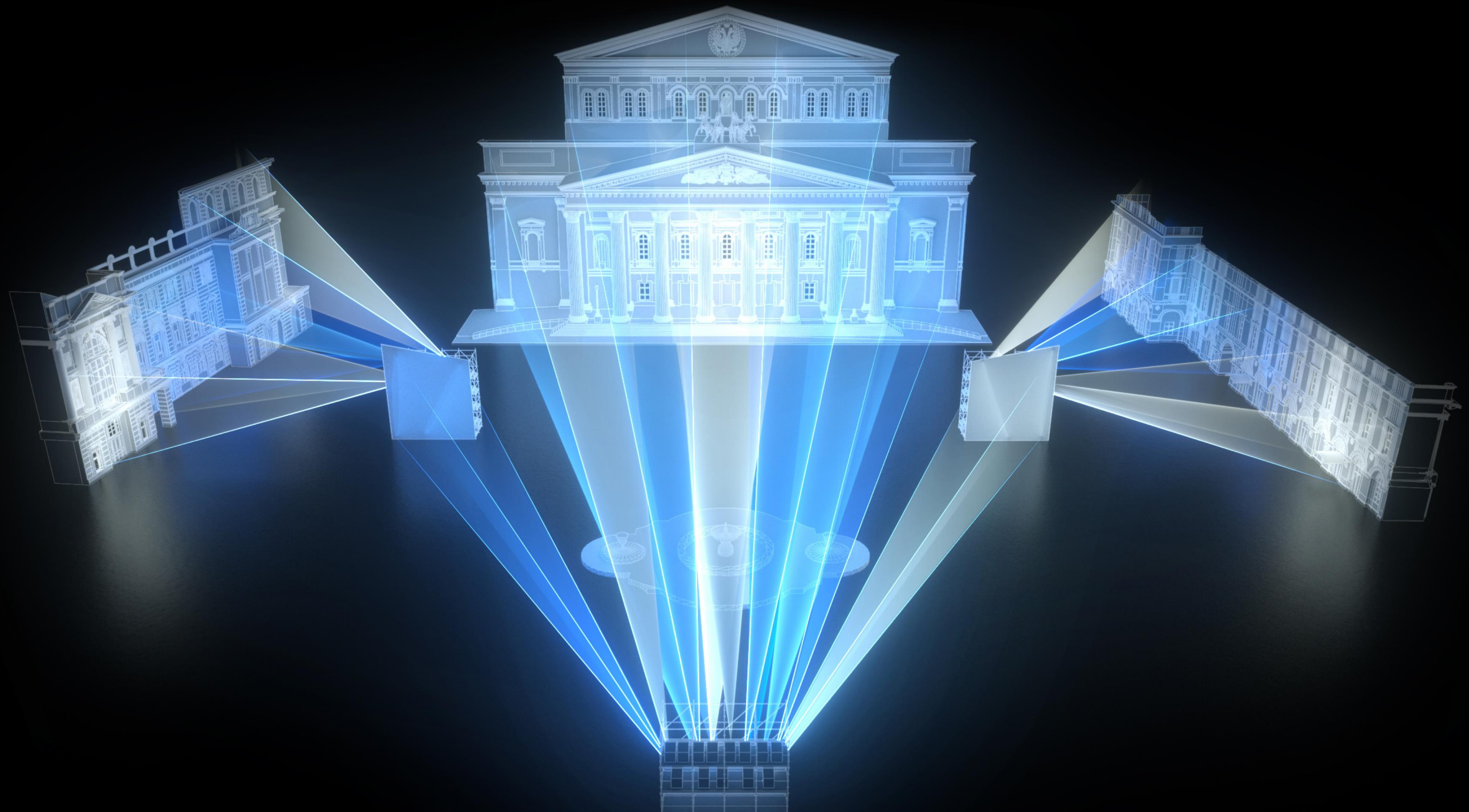- SHOWTEX
- CHAINMASTER

SELECTED PROJECTS

EXPO 2017

- 4 disguise 4*4 PRO (d3) media servers
- BlackTrax intelligent tracking system, capture of 24 moving mapping objects
- 47 Panasonic DZ21K2E video projectors
- Lightware MX-FR65R matrix router
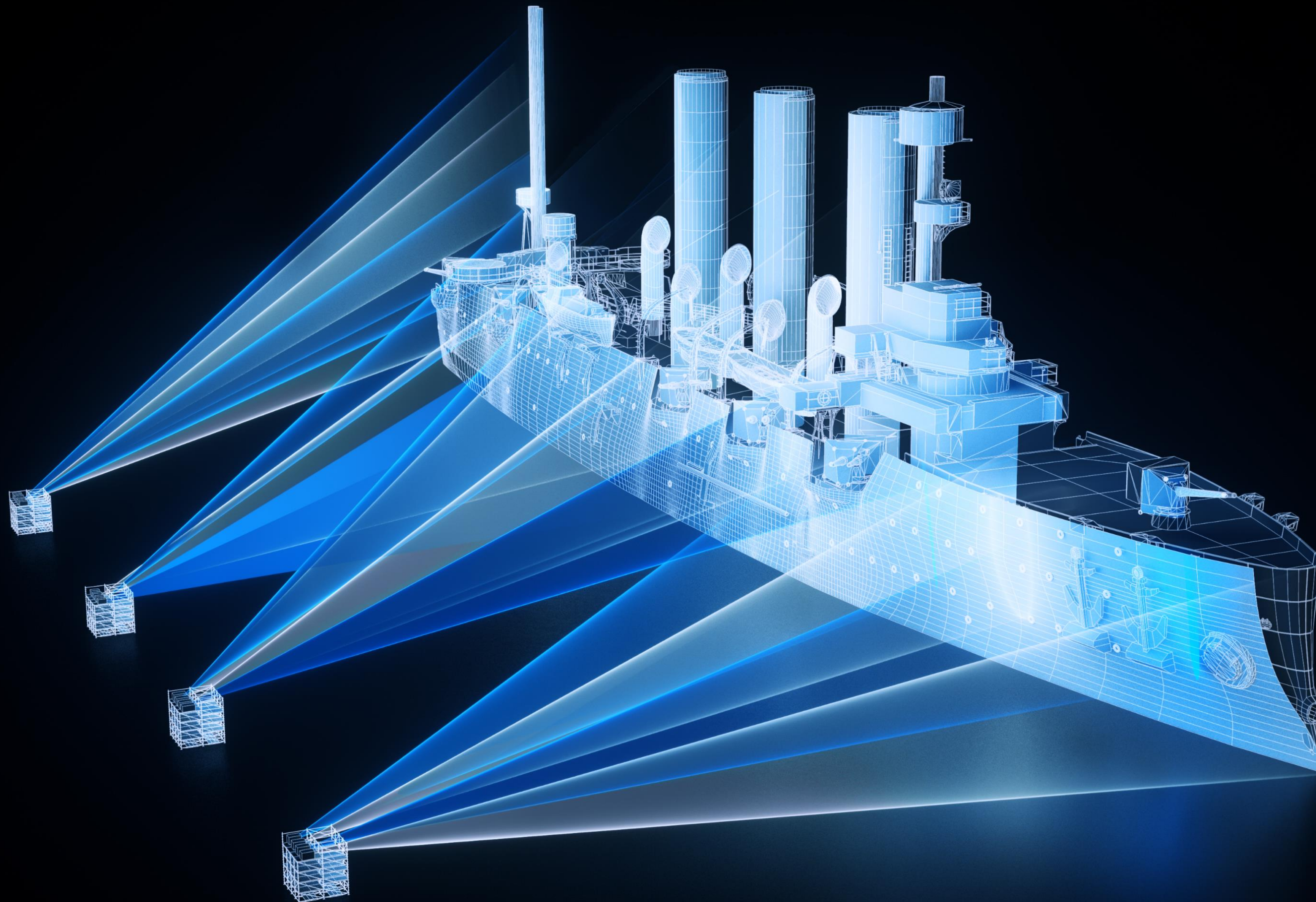
THE MOTHERLAND CALLS

- 2 disguise 4*4 Pro (d3) media servers
- 6 KVANT Spectrum 25w laser projectors
- 18 Light Sky Aqua Beam IP3500 BEAM (440W) lights
- 14 Panasonic DS20K2E video projectors
- Lightware MX-FR65R matrix router

CIRCLE OF LIGHT

- 4 disguise 4*4 Pro (d3) media servers
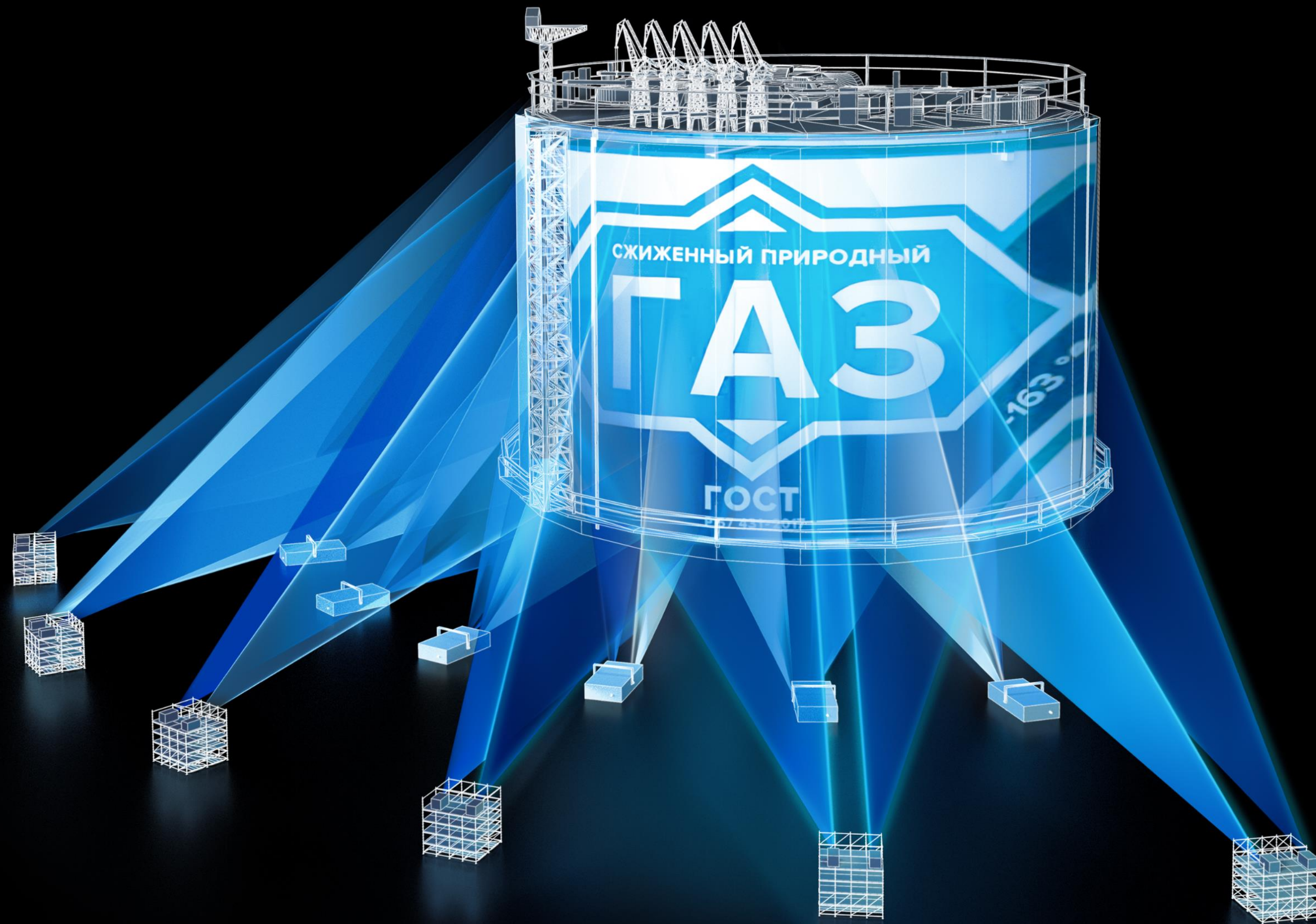- 4 KVANT Spectrum 25W laser projectors
- 62 Panasonic DS20K2E video projectors
- Lightware MX-FR65R matrix router

THE AURORA CRUISER

- 20 Panasonic DS20K2E video projectors
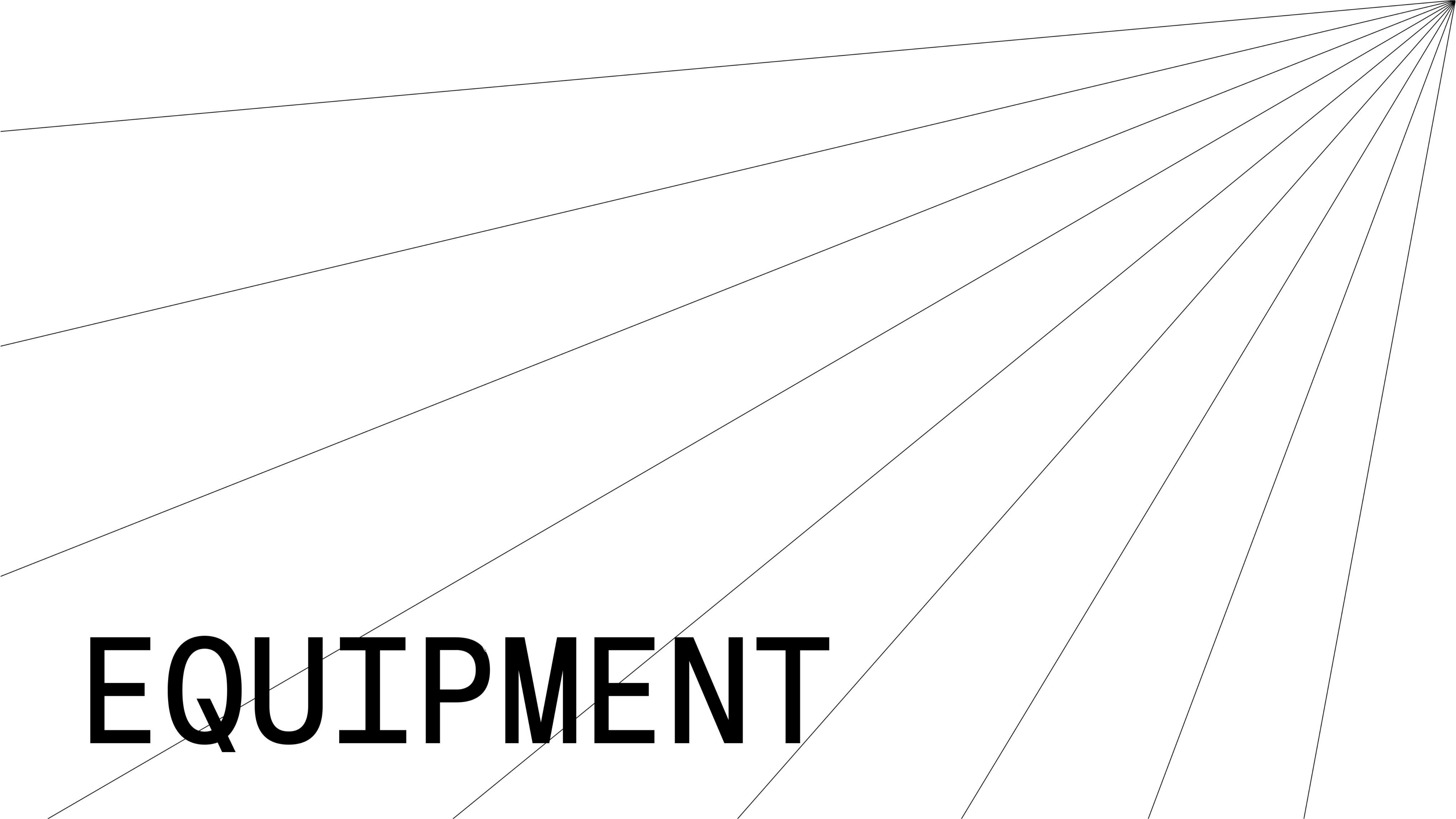- 2 disguise 4*4 Pro (d3) media servers
- Lightware MX-FR65R matrix router

YAMAL LNG

- 48 Panasonic DS20K2E video projectors
- 4 disguise 4*4 Pro (d3) media servers
- Lightware MX-FR65R matrix router

EQUIPMENT

VIDEO PROJECTION EQUIPMENT

CHRISTIE D4K40-RGB PURE LASER PROJECTOR	• 3DLP 1.38'' DMD matrix • resolution 4K (4096 x 2160), 120FPS • brightness 40,000 lm • contrast 5000:1 • dimensions 947x711x553mm, 130kg • illumination Christie® Reallaser™	The next-generation Christie D4K40-RGB professional projector features 40,000-lumen brightness and 4K resolution, 5000:1 contrast, and a frame rate of 120fps, in combination with a laser light source and RealLaser technology, enabling it to cover more than 90% of the Rec. 2020 colour space and create bright, vibrant, and realistic images. The ideal projector for the highest-calibre events. The projector is less than half the weight of its closest competitor and significantly more compact, and can be operated for more than eight years without loss of quality or the need for maintenance.	**6 UNITS**
CHRISTIE BOXER 4K30/2K30 VIDEO PROJECTOR	• 3DLP 1,38" DMD matrix • resolution 2K (2048 x 1080) • brightness 30,000 lm • contrast 2000:1 • dimensions 959x597x305mm, 72kg • illumination 6*450W NSH	The Christie Boxer 4K30/2K30 professional projector features 30,000-lumen brightness and 4K resolution, and stands out from the competi- tion with its optimum brightness/resolution/ weight ratio. Its six-lamp system guarantees trouble-free operation and, with 360° rotation in all planes, enables the projector to be installed in any position. The most compact and effective 30,000 lumen projector available. The perfect solution for vibrant and dynamic events.	**12 UNITS**
PANASONIC PT-DZ21K2E VIDEO PROJECTOR	• 3DLP matrix • resolution WUXGA (1920 x 1200) • brightness 20,000 lm • contrast 10000:1 • dimensons 620x255x730mm, 43kg • illumination 4*432W NSH	The Panasonic PT-DZ21K2E professional projector's 20,000 lumens of brightness and 1920:1200-pixel resolution make it a real workhorse for large-scale projector installations and shows where the overall resolution of the content is especially important. Using an ET-D75LE95 Ultra Short throw lens makes it possible to achieve projection over a large area at a distance of 1–2 metres from the projector.	**22 UNITS**

PANASONIC PT-DS20K2E
VIDEO PROJECTOR

- 3DLP matrix
- resolution SXGA (1400 x 1050)
- brightness 20,000 lm
- contrast 10000:1
- dimensions 620x255x730mm, 43kg
- illumination 4*432W NSH

The Panasonic PT-DS20K2E professional projector differs from the PT-DZ21K2E by virtue of its lower resolution and, consequently, its lower price. This projector type serves as the cornerstone of any architectural projector show. A set of 50 projectors can be used to illuminate a surface of more than 6,000 sqm with 150-lux illumination.

50 UNITS

CHRISTIE ROADSTER
WU 14K-M VIDEO PROJECTOR

- 3DLP matrix
- resolution WUXGA (1920 x 1200)
- brightness 14,000 lm, 2500:1
- dimensions 259x500x561 mm, 25kg
- illumination Dual 450W NSH

The Christie Roadster WU 14K-M professional projector offers a brightness of 14,000 lumens and a high 1920:1200-pixel resolution. With its low weight, compactness, and reliability, it is the ideal solution for indoor installations. With 360° rotation in all planes, the projector can be installed in any position.

12 UNITS

CHRISTIE LX 1500
VIDEO PROJECTOR

- 3LCD matrix
- resolution XGA (1024 x 768)
- brightness 15,000 lm
- contrast 2000:1,
- dimensions 35kg
- illumination 4*330W NHS

The Christie LX 1500 professional projector is both the least expensive and the most powerful projector in its class. It makes an excellent choice for events requiring a high level of brightness (in order to counteract parasitic flare) for images with a lower resolution.

10 UNITS

CHRISTIE D4K40, BOXER 4K30/2K30 LENSES	0.72:1 HB FIXED	12 UNITS
	1.31-1.63:1 HB ZOOM	12 UNITS
	2.71-3.89:1 HB ZOOM	12 UNITS
PANASONIC PT-DZ21K2E, PT-DS20K2E LENSES	ET-D75LE10. WUXGA (1,3-1,7:1), SXGA+ (1,4-1,8:1)	34 UNITS
	ET-D75LE30. WUXGA (2,4-4,7:1), SXGA+ (2,6-5,1:1)	34 UNITS
	ET-D75LE40. WUXGA (4,6-7,4:1), SXGA+ (5,0-8,0:1)	24 UNITS
	ET-D75LE50. WUXGA (0,7:1), SXGA+ (0,8:1)	34 UNITS
	ET-D75LE95. 4K+ (0,39:1), WUXGA (0,36:1), SXGA+ (0,39:1)	4 UNITS
PANASONIC PT-DZ21K2E, PT-DS20K2E LENSES	0.73:1 SX+/ 0.67:1 HD FIXED	12 UNITS
	1.5-2.0:1 SX+/ 1.4-1.8:1 HD ZOOM	12 UNITS
	2.8-4.5:1 SX+/ 2.6-4.1:1 HD ZOOM	12 UNITS
CHRISTIE LX 1500 LENSES	0.8:1 FIXED	10 UNITS
	2.6-3.5:1 ZOOM	10 UNITS
	1.3-1.8:1 ZOOM	10 UNITS

LED

ABSEN PL2.5 LITE LED SCREEN	• pixel pitch 2,5 mm • LED SMD 1415 • module 500x500x87 mm, 200x200 pix, IP40/21 • brightness 1000nit, • contrast 7000:1, • led refresh rate 3840Hz, (one array of LEDs) • double-sided locking at angles: -7.5 °, -5°, -2.5°, 0°, +2.5°, +5°,+7.5°,+10 ° • double-sided lock at angle -90° 32 units.	The Absen Pl2.5 Lite is a top-of-the-range LED screen with a 2.5mm pixel pitch and a high, 3840 Hz led refresh rate, which makes it ideal for use in conjunction with television broadcasts. Its 110% NTSC colour gamut and contrast of more than 7000:1 make the product a superior synergy of brightness and colour. The cabinets can be joined at an angle of between -7.5° and 10° at increments of 2.5°, or at an angle of 90°. A single led array covers 218 sqm of screen, ensuring uniform colour rendering over the entire screen area.	**218SQM**
LED VIDEO RIGID BAR CLEN OPTOELECTRONICS CO.	• 1000x18x18mm • IP67 • 64 LED pixel 5050RGB • HDMI(DVI), Artnet • DC24V	This highly advanced metre-long LED unit featuring 64 full led screen pixels enables even the most unusual performance spaces to be transformed into a fully controllable video surface.	**16 UNITS**
NOVASTAR MCTRL 660 LED SCREEN CONTROLLER	• 12-bit / 10-bit HDMI input, DVI input • HDMI / DVI output • 1920×1200@60Hz	The advanced Novastar MCTRL 660 controller is distinguished by its quality and reliability. It offers a capacity of 2.3 million pixels as well as per-pixel brightness calibration and screen colour correction.	**1000M**

MEDIA SERVERS

DISGUISE VX4 MEDIA SERVER	• video outputs: 4 X DisplayPort 1.2 (4096 X 2160 Max) • video inputs 4x 4K@60 Max / 16x 3G-SDI • control using DMX-512, Artnet, and MIDI SHOW Control protocols • per-frame synchronization of several disguise systems • real-time control of multi-layered video and digital slide combinations • hardware specifications: Dual Intel® Xeon® Gold 3.2Ghz 96GB DDR4 RAM 2x 128GB SSD (Internal System Drives) 4x 2TB Removable NVMe SSD (Default)	The disguise VX4 media server is the most powerful server available today. Built around an nvme raid drive array, the server can simultaneously play four streams of uncompressed 4k@60 resolution, 10-bit colour video. The VX4 can capture either sixteen 3G-SDI sources or four 4K sources at once. The VX4 is a universal tool for use with any projector. It enables control of video projection equipment, light units, and LED screens. Its 2 x 25gbe and 2 x 10gbe throughput allows it to transfer high-resolution content in real time without delays.	1 UNITS
DISGUISE GX2 MEDIA SERVER (NOTCH)	• video outputs: 2 x DisplayPort 1.2 (4096 X 2160 Max) • video inputs: 4x HD-SDI / 2x 3G-SDI • control using DMX-512, Artnet, and MIDI SHOW Control protocols • per-frame synchronization of several disguise systems • real-time control of multi-layered video and digital slide combinations • hardware specifications: Xeon Quad-Core 3.7Ghz 16GB DDR4 RAM 2x 80GB SSD (Internal System Drive, Restore Drive) 2TB SSD	In addition to combining all of the advantages and strengths of other disguise servers, the disguise GX2 media server is also a fully-fledged graphics workstation developed to render graphics content in real time. The server is provided with a pre-installed license for the Notch software suite, a tool that makes it possible to create, model, render, combine, edit, and play generative graphics in real time.	2 UNITS

DISGUISE 4X4 PRO MEDIA SERVER 	• video outputs: 4 x DisplayPort 1.2 (4096 x 2160 Max) • video inputs: 4 x HD-SDI / 2x 3G-SDI • control using DMX-512, Artnet, and MIDI SHOW Control protocols • per-frame synchronization of several disguise systems • real-time control of multi-layered video and digital slide combinations • hardware specifications: 2x Xeon Hexa-Core 3.5Ghz 32GB DDR3 ECC RAM 2x 80GB SSD (Internal System Drive, Restore Drive) 2TB Removable SSD RAID Array	The disguise 4x4 pro media server is used to create complex digital media installations and interactive environments. Thanks to its broad functionality and reliability, the 4x4 is used throughout the world for video projection mapping onto complex surfaces and stage design for performances.	4 UNITS
DISGUISE 4X2 PRO MEDIA SERVER 	• video outputs: 4 x DisplayPort 1.2 (4096 X 2160 Max) • video inputs: 2x HD-SDI / 2x 3G-SDI • control using DMX-512, Artnet, and MIDI SHOW Control protols • per-frame synchronization of several disguise systems • real-time control of multi-layered video and digital slide combinations • hardware specifications: Xeon Quad-Core 3.7Ghz 16GB DDR4 RAM 2x 80GB SSD (Internal System Drive, Restore Drive) 2TB Internal SSD	The disguise 2x4 PRO media server is used to create complex digital media installations and interactive environments. Thanks to its broad functionality and reliability, the 2x4 is used throughout the world for video projection mapping onto complex surfaces and stage design for performances.	2 UNITS
DISGUISE 4U V2.5 MEDIA SERVER 	• video outputs: 4 x DisplayPort (2560 X 1600 Max) • video inputs: 4x SD-SDI / 2x HD-SDI • control using DMX-512, Artnet, and MIDI SHOW Control protocols • per-frame synchronization of several disguise systems • real-time control of multi-layered video and digital slide combinations	The disguise 4U V2.5 media server is used to create complex digital media installations and interactive environments. Thanks to its broad functionality and reliability, the 4U V2.5 is used throughout the world for video projection mapping onto complex surfaces and stage design for performances.	2 UNITS

ADDITIONAL SYSTEMS

BLACKTRAX INTELLIGENT MULTIMEDIA TRACKING SYSTEM	• BT Beacon - 50 units • Server BlackTrax - 2 units • BTController (timekeeper, router, e-sinc box) • BTCamera 1,3 MPs - 24 units • Beacon Docking Unit	The blacktrax intelligent multimedia tracking system consists of ir sensors, IR cameras, and a server which processes data on the position, rotation, and travel speed of the sensors to a precision of less than 5mm and transfers the data to a disguise server. This real-time data enables content to be attached to moving objects or generative content to be controlled. All devices can also be controlled using the DMX protocol. This system has already proven itself at hundreds of fascinating and high-profile events throughout the world. Ideal for interactive installations, multimedia performances, and business events.	**2 SETS**
LIGHTWARE MX-FR65R 64X32 MATRIX ROUTER		The Lightware MX-FR65R 64x32 matrix router is used for organizing backup server systems, an approach which is advisable for particularly important events.	**1 UNIT**

PANASONIC AW-HE130 VIDEO CAMERA	- three newly developed 1/2.86-type MOS sensors - optical image stabilizer - lens with 1.4x extender zoom - HD-IP, PoE+ streaming - input audio jack, night mode - AW-RP50 camera remote control	This remote-controlled robotic camera can be used both for recording for subsequent streaming via a media server to available screen surfaces, and for reproducing and monitoring the projection zone where there is no direct visibility from the control room.	2 UNIT
FARO 3D LASER SCANNER SYSTEMS	- scanning speed 122 000 - 976 000 pps - precision ±2 мм - texture and colour capture - distance measuring range 0,6 – 120 m - field of vision 300° / 360° - IP54, 240x200x100mm, 5 kg	Faro 3D laser scanner systems can produce measurements at distances of up to 120 metres at a speed of up to 976,000 points per second. Their built-in colour camera creates a non-parallax image with a resolution of up to 70 megapixels which is automatically applied to a point cloud. The resulting photorealistic spatial representation forms an excellent basis for the creation of 3D models of spaces or architectural facades. This in turn enables projector positions to be precisely calculated, optics to be selected, and 3D mapping content to be created that corresponds fully (to within 2mm) to the geometry of the projection surface.	1 UNIT
DISGUISE OMNICAL CAMERA-BASED PROJECTOR CALIBRATION SYSTEM	4*5MP Machine Vision Cameras	Built around disguise media servers, the disguise omnical camera-based projector calibration system consists of four hardwired fisheye video cameras and a suite of software that uses machine vision to enable cross-matching of a real projection space with a pre-prepared virtual space. This means that the process of setting up and calibrating tens or hundreds of projectors now takes hours rather than days.	1 UNIT

LIGHTING EQUIPMENT

AQUA BEAM LIGHT SKY
IP3500 LIGHT
 	
	• 450W USHIO NSL450 lamp
	• 8+16-facet prism
	• beam angle:
	  beam mode 1.8°
	  wash mode 6°-45°
	• IP66
		Rotating Aqua Beam light for street venues and long-term open-air installations. A powerful, almost tangible beam, high rotation speed, precision controllability, and reliability — an ideal combination for high-profile, large-scale shows in all weather conditions.	26 UNITS

MA LIGHTING GRANDMA3 LIGHT CONSOLE 			1 UNIT

LASER EQUIPMENT

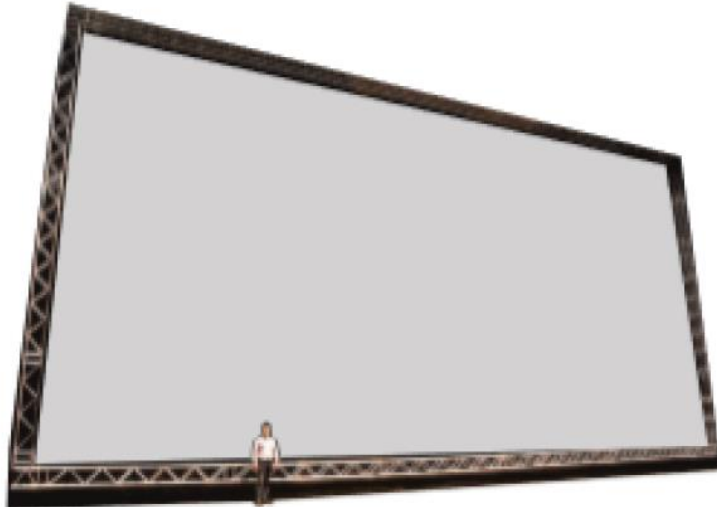|			
KVANT RGB SPECTRUM 25W LASER PROJECTOR	- power 25W (5,8W/637nm Red, 8W/532nm Green, 11W/445+460nm Blue) - beam divergence 1,1mrad - beam diameter 5mm - colour scale 16,8 million colours - control protocols ILDA, DMX, through Ethernet и Wi-Fi - dimensions 421x244x353mm, 34kg, IP54 - scanning system Cambridge technology CT 6215 HP	The KVANT RGB Spectrum 25W laser projector is perfectly suited to large venues and spaces, both for light shows and for animated shows. Spectrum full-colour laser systems consist of high-quality laser modules together with OPSL lasers from coherent and jena optic. A built-in FB4 controller from Pangolin enables the laser projector to be controlled directly by computer.	**4 UNITS**
KVANT RGB SPECTRUM 16W LASER PROJECTOR	- power 16W (4W/637nm Red, 8W/532nm Green, 4W/445+460nm Blue) - beam divergence 1,1mrad - beam diameter 5mm - colour scale 16,8 million colours - control protocols ILDA, DMX, through Ethernet и Wi-Fi dimensions 391x465x260mm, 36kg, IP54 - scanning system Cambridge Technology CT 6215 HP	The KVANT RGB Spectrum 16W laser projector is perfectly suited to large venues and spaces, both for light shows and for animated shows. Spectrum full-colour laser systems consist of high-quality laser modules together with OPSL lasers from coherent and jena optic. A built-in FB4 controller from Pangolin enables the laser projector to be controlled directly by computer.	**2 UNITS**
KVANT RGB SPECTRUM 12W LASER PROJECTOR	- power 12W (2W/637nm Red, 6W/532nm Green, 4W/445+460nm Blue) - beam divergence 1,1mrad - beam diameter 5mm - colour scale 16,8 million colours - control protocols ILDA, DMX, through Ethernet и Wi-Fi - dimensions 302x380x250mm, 28kg, IP54 - scanning system Pangolin Saturn 5	The KVANT RGB Spectrum 12W is ideal for animated shows, with a built-in Pangolin Saturn 5 scanning system that makes it suitable for use both at indoor venues and in open spaces. Spectrum full-colour laser systems consist of high-quality laser modules together with OPSL lasers from Coherent and Jena Optic. A built-in FB4 controller from Pangolin enables the laser projector to be controlled directly by computer.	**9 UNITS**

ARCTOS FORTIS RGB 6,5W LASER PROJECTOR		
	• power 6,5W (1,5W/642nm Red, 3W/532nm Green, 3W/450nm Blue) • beam divergence 0,8mrad • beam diameter 3mm • colour scale 16,8 million colours • control protocol ILDA • dimensions 390x212x260mm, 20kg • scanning system Cambridge Technology CT 6800	The convenient, compact Arctos Fortis RGB 6.5W is designed especially for laser animated shows held at indoor venues. High-quality, reliable, and precise.	1 UNIT

KVANT RGB CLUBMAX 3W LASER PROJECTOR		
	• power 3W (1W/637nm Red, 1W/520nm Green, 1W/445nm Blue) • beam divergence 1mrad • beam diameter 3,5mm • colour scale 16,8 million colours • control protocol ILDA • dimensions 262x256x168mm, 9kg, IP54 • scanning system pangolinscannermax	The KVANT ClubMax 3W laser projector is compact, light, reliable, and inexpensive – the ideal choice for light shows at smaller indoor venues.	5 UNITS

MOVING HEAD LASER BAR RED LASER PANEL		
	• power 8*600mW/638nm Red • control protocol DMX • rotation angle 270° • dimensions 1070x80x68mm, 10kg	Unique metre-long laser unit featuring eight powerful red laser transmitters in parallel orientation. Tilt control within 270 degrees around the laser panel's axis makes this unit ideal for stage lighting and for creating light shows.	30 UNITS

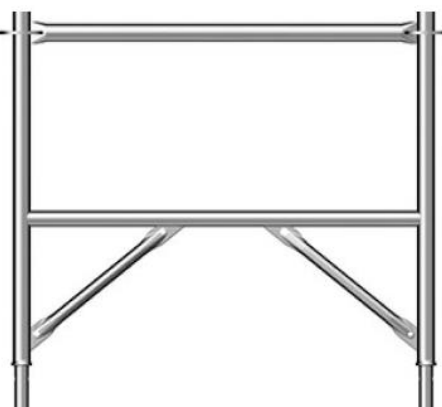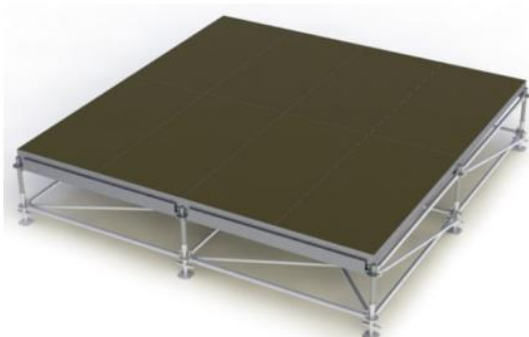| INFLATABLE ARCH WITH 12X9M PROJECTION SCREEN		
	• direct/rear projection • screen type: projection gauze • size of working surface (WxH): 1000*800	Designed for street installations. Enables deployment of a large projection gauze for laser shows at any venue without the need for additional structures.	1 UNIT

INFLATABLE ARCH WITH 17X12M PROJECTION SCREEN 	▪ direct/rear projection ▪ screen type: projection gauze ▪ size of working surface (WxH): 1600*1000	Designed for street installations. Enables deployment of a large projection gauze for laser shows at any venue without the need for additional structures.	1 UNIT
MIRROR SYSTEM, GAUZE SCREENS, FOG, SMOKE, AND AIR GENERATORS, ETC.			ON REQUEST

PROJECTIONS SCREENS AND SYSTEMS

**EYELET
PROJECTOR SCREENS
(TRUSS FRAME)**
	▪ 16x9m, 30' truss
	  direct projection — 2 units
	  rear projection — 2 units
	
	▪ 8x6m, triangular truss
	  direct projection — 2 units
	  rear projection — 2 units
	
	▪ 6x4,5m, triangular truss
	  direct projection — 2 units
	  rear projection — 2 units
			12 UNITS

PROJECTION SCREENS (ALUMINIUM FRAME)	▪ 6,5x3,7m direct projection – 2 units ▪ 4x3m direct projection – 2 units rear projection – 2 units ▪ 3x2m direct projection – 2 units rear projection – 2 units		10 UNITS
DMX ROLL-UP MOTOR SCREEN 4–6 M	▪ 6x9m ShowTex black projection gauze – 4 units ▪ 6x9 м white translucent projection canvas – 4 units ▪ 4x10 м white blackout projection canvas – 4 units		4 UNITS
KABUKI SCREEN CURTAIN DROP SYSTEM	▪ DMX control protocol, 10w, 230V ▪ 4-channel Magic FX Effect'Ivator control panel ▪ Kabuki Magic FX curtain clamp		40 UNITS

STAGE CONSTRUCTION

LAYHER METRIC		ON REQUEST	PROLYTE 40' TRUSSES		100 M
LAYHER FLOOR 2X1		60 UNITS	IMLIGHT 30' TRUSSES		100 M
SPHERICAL TENT D10M ▪floor area 79sqm ▪white tent		1 UNIT	CHAINMASTER CHAIN WINCHES ▪load capacity 1 tonne ▪chain length 28m		12 UNITS
SPHERICAL TENT D14M ▪floor area 154sqm ▪white tent ▪blackback blackout fabric		1 UNIT			

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