

## FINANCIAL OFFER FORM

Open call of tender for the provision of audio/visual equipment including installation and configuration for the Aula Magna and Immersive Room of Palazzo Buontalenti headquarter of the School of Transnational Governance

Ref: OP/EUI/REFS/2023/001

The undersigned	tax identification n
born in	on
address	
☐ representing the following legal per	rson: (only if the economic operator is a legal person)
⇒ full official name:	
⇒ official legal form:	
⇒ full official address:	
⇒ VAT registration number:	
or	
in his/her own name (for a natural	person)
→ VAT registration number (if any):	



## SUBMITS THE FOLLOWING FINANCIAL OFFER:

(prices must be VAT exempt, since the EUI is exempt from payment of value added tax for services and purchases under the normal course of business for amounts exceeding €300.00 (for intra-EU purchases, pursuant Article 151 para 1 (b) and para 2 of Council Directive 2006/112/EC, as last amended by Council Directive 2009/162/UE and subsequent amendments; for purchases in Italy, pursuant to Article 72-paragraph 1-e, paragraph 2 of Presidential Decree 633 of 26/10/1972 and subsequent amendments)

	Room: AULA MAGNA					
	AUDIO VISUAL E	QUIF	MENT			
	DESCRIPTION	<u>U.M.</u>	Quantity	<u>Price</u>	<u>Amount</u>	
A1	Provision of laser LCD video projector, WUXGA (1920x1200) 13000lm, approximate zero-intervention life 20,000 hours, 24/7 operation, can be installed in any position and also in portrait mode, geometry manager pro software for Edge Blending management, Colour Matching and Brightness Control, geometric correction for curved screens, NFC for control apps, contrast ratio 3,000,000: 1, optical shift ± 60% vertical, ± 20% horizontal, trapezoidal correction ± 40° vertical, ± 15° horizontal, 3G HD-SDI inputs, HDMI (HDCP), Digital Link (HDBaseT), DVI-D, D-Sub15 (RGB/Component), control: D-Sub9 (RS-232) + output, RJ45, 1 input + output jack for hardwired remote control, control input D-Sub9 (parallel), USB-A (5V/2A), noise 35 dB, power consumption 650W, dimensions (WxHxD) 650x185x440 mm, white finish.	n	1	€	€	
	[Reference Model: PANASONIC PT-MZ13KLWEJ or equivalent]					
A2	Provision of optics for PANASONIC laser LCD video projector Model ET-EMT700 or equivalent, long/tele motorized zoom and projection ratio 2.10-4.14:1.  [Reference Model: PANASONIC ET-EMT700 or	n	1	€	€	

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А3	Provision of LCD video projector , 920x1200, 8000lm, approximate zero-intervention life 20,000 hours, operation 24/7, can be installed in any position, contrast ratio 3,000,000: 1, optical shift ± 67% vertical, ± 35% horizontal, trapezoidal and angular correction ± 25° vertical, ± 30° horizontal, projection ratio 1.61 2.76: 1, Digital Link (HDBaseT) connectivity, Geo Prosoftware (limited), Smart Projector Control App, Multi Monitoring & Control Software, CEC compatibility, TV signals 480i to 4K, 3x HDMI (HDCP) inputs, DIGITAL LINK (HDBaseT), 2x D-Sub15 in/out (RGB/Component),2x RCA audio (in+out), USB-A (5V), RS-232 (DSub9) control connections, LAN (RJ45), Digital Link (RJ45), noise 34 dB, power consumption 415W, dimensions (WxHxD) 561x190x437 mm, white finish.  [Reference Model: PANASONIC PT-MZ880WEJ or equivalent]	n	1	€	€
A4	Provision of optics for laser LCD video projector, wide- angle, motorized zoom, projection ratio 0.8 1.0:1, focal distance (f) 13.2-16.5 mm.  [Reference Model: PANASONIC ET-ELW22 or equivalent]	n	1	€	€
A5	Provision of video projection screen, 16:9 format, size 5000x3000mm.  [Reference Model: ADEOSCREEN FRAMEPRO REAR ELASTIC BANDS 4840]	n	2	€	€
A6	Provision of Video Matrix, 16 HDMI 2.0 inputs, 8 HDMI 2.0 and HDCP 2.2 outputs, 4K UHD @60Hz RGB resolution 4:4:4, up to 18 Gbps, 3D, Dolby TrueHD and DTS-HD Master Audio. Ethernet and USB control options.  [Reference model LIGHTWARE MX2-16x8 - HDMI20-Audio-R or equivalent]	n	1	€	€
A7	Provision of BIAMP model audio matrix, 12 Mic/Line inputs with 12 AEC SONA, 8 balanced outputs, DANTE Protocol Stack with 32 in and 32 out channels, expandable without switch to 2 machines or more, multi-programmable, self-diagnostic, remote control via Ethernet or RS232, 8-channel audio in-out USB port, Control BUS input, two-line OLED display, 4-port in/out GPIO.  [Reference model: BIAMP TESIRA FORTÈ DAN CI or equivalent]	n	1	€	€



A8	Provision of column loudspeakers, IP54, 16 2.75" drivers, power selectable at 240W/8Ω or 120W/60W/30W at 100V or 120W/60W/30W/15W at 70V, frequency response 90 Hz–17 kHz, vertical aperture selectable at 15° or 30° and horizontal at 150°, size 1162x131x126mm, weight 11.8 kg, including mounting bracket.  [Reference model: QSC AD S162T or equivalent]	n	4	€	_ €
A9	Provision of 2-way 12" surface-mount subwoofer QSC Model AD S112SW, IP54, power 300W/8Ω, frequency response 30-135Hz, 90° aperture with Directivity Matched Transition (DMT <sup>TM</sup> ) technology, size 594x354x323mm, weight 13.2 kg, including mounting bracket.  [Reference Model: QSC AD S112SW or equivalent]	n	1	€	_ €
A10	Provision of loudspeaker amplifier, 4 inputs and 4 outputs, Class D, power 2x60W at $4\Omega/8\Omega$ , 200W in bridge at $4\Omega/8\Omega$ , 250W in bridge at 100V/70V, FlexAmp technology, size 44x483x377mm. [Reference Model: QSC MP-A40V or equivalent]	n	1	€	_ €
A11	Provision of subwoofer amplifier, 4 inputs and 4 outputs, Class D, power 2x200W at 4Ω/8Ω/100V/70V, FlexAmp technology, size 43x220x241mm, weight 1.6 Kg.  [Reference Model: QSC SPA2 EU or equivalent]	n	1	€	_ €
A12	Provision of digital radio microphone kit consisting of an SLXD1 transmitter, an SLXD4 receiver and a WL185 cardioid lavalier microphone, J53 band (562–606 MHz).  [Reference Model: Shure SLXD14E/85-J53 or equivalent]	n	2	€	_ €
A13	Digital radio microphone kit consisting of an SLXD2 transmitter with SM58 Capsule and SLXD4 Receiver, J53 band (562–606 MHz).  [Reference Model: Shure SLXD24E/SM58-J53 or equivalent]	n	2	€	_ €
A14	Active antenna distributor for 5 receivers, carrier frequencies supported 470-952 MHz, typical impedance 50Ω, RF gain -1 to 1 dB, power supply: 14-18V DC replicated to 5 outputs (max current 2.5A), antenna output voltage 15V DC.  [Reference Model: Shure UA844 or equivalent]	n	1	€	_ €



A15	Provision of UHD PTZ HMDI +USB streaming camera, mountable on stand or ceiling, resolution 3840x2160 (max 29.97p/25p), 1920x1080 (max 59.94p/50p), 1280x720 (max 59.94p/50p), zoom 24x, zoom UHD 28x (FHD 36x), digital zoom extender 1.4x and 2x, focus min. 10 cm (Wide) 1.2 m (Tele), Auto or Manual Focus, Remote Control RS422 (RJ45), LAN IP (RJ45), Web Browser, USB-C, up to 100 savable presets.  [Reference Model: PANASONIC AW-UE40KEJ or equivalent]	n	4	€	€
A16	Provision of 65" interactive display, resolution 3840 x 2160, HDMI, USB, RS232, RJ45 inputs, connectivity Wi-Fi, Bluetooth, Size 1522.4x897.10.x62.9mm.  [Reference Model: SAMSUNG FLIP 2 WMR Series or equivalent]	n	2	€	€
A17	Provision of interface accessories and connection for interactive display with HDMI outputs.  [Reference Model: OPTIONAL CONNECTIVITY TRAY or equivalent]	n	2	€	€
A18	Provision of extender, transmitter, HDCP and EDID compliant, 4K, audio and RS-232, range up to 170m.  [Reference Model: LIGHTWARE HDMI-TPS-TX86 or equivalent]	n	12	€	€
A19	Provision of 24-port Layer 3 Managed PoE Switch, specifically designed to handle AVB signals. Front and rear mounting 1U rackmount, 24 RJ-45 ports 1 Gbps POE+, 300W SFP ports, Uplink from 1 Gbps, and 2 RJ-45 console ports including one Out-of-Band. One USB-C port  [Reference Model: Netgear GSM4230P-100EUS M4250-26G4F-POE+ or equivalent]	n	1	€	€
A20	Provision of extender, receiver, HDCP and EDID compliant, 4K, audio and RS-232, range up to 170m.  [Reference Model: LIGHTWARE HDMI-TPS-RX86 or equivalent]	n	10	€	€



A21	Provision of digital recorder, 12G-SDI video signal capture, HDMI, USB 3.0, 2 x XLR, 2 x RCA stereo, 1 x HDMI video output, maximum resolution 1920x1200, AVI, MOV, MP4, MPEG-TS recording formats, recording to local SD card (not included), via USB 3.0 port to external devices, via FTP SFTP, SCP, RSYNC, CIFS, AWS networks, or WebDAV Server.  [Reference Model: EPIPHAN PEARL NANO or equivalent]	n	1	€	€
A22	Provision of extender, USB 2.0, Cat.6, 4 ports, range up to 50m.  [Reference Model: LINDY 42681 or equivalent]	n	1	€	€
A23	Provision of presentation gateways for wireless computer content sharing, 100/1000 Mbps, autoswitching, auto-networking, auto-discovery, full/half duplex, TCP/IP, UDP/IP, DHCP, SSL, TLS5, SSH, SFTP (SSH File Transfer Protocol), IEEE 802.1x, Active Directory authentication, HTTPS web browser setup and XiO Cloud service, 802.3af compliant.  [Reference Model: AirMedia CRESTRON AM-3200 or equivalent]	n	1	€	€
A24	Provision of table connection module, consisting of 3 Schuko sockets, 3 universal UNEL sockets, 2 HDMI, 2 RJ45, 4 USB, 1 XLR, 1 3.5mm audio jack.  [Reference Model: BACHMANN DESK2 or equivalent]	n	1	€	€
A25	Provision of KNX IP interface to manage KNX  [Reference Model: Crestron CI-KNX or equivalent]	n	1	€	€
A26	Provision of DALI Crestron interface.  [Reference Model: Crestron DIN-DALI-2 or equivalent]	n	1	€	€
A27	Provision of 40-unit 19" racks with lockable glass door, suitable-sized mounts for video projectors, cameras, displays, PA system, and everything else required for the professional mechanical installation of all equipment.	fixed price			€
A28	Provision of Cat.6, HDMI, Audio, connectors and everything else needed for professional cabling of all equipment.	fixed price			€
PA1	Labour for professional installation of the multimedia system including switching on and calibration of the audio/video system.	fixed price			€



	CONTROL SYSTEMS EQUIPMENT						
	<u>DESCRIPTION</u>	<u>U.M.</u>	Quantity	<u>Price</u>	<u>Amount</u>		
C1	Provision of wide-screen active-matrix colour display tabletop touch screen, 1920x1200 WUXGA resolution, capacitive touch screen display.  [Reference Model: CRESTRON TS-1070-B-S, 10.1" or equivalent]	n	1	€	€		
C2	Provision of processor, 4-series controller, 2 GB SDRAM, 8 GB flash memory, Embedded 4-Series multicore CPU processor, IPv6 ready. Dual Network Port: (1) Ethernet (2) Control Subnet  [Reference Model: CRESTRON CP4N or equivalent]	n	1	€	€		
PC1	Central control programming, creation of the graphical interface and installation of the control system. See report on Aula Magna Call for Tender for the specifications to be complied with.	fixed price			€		

	COST OF AUDIO/VIDEO						
Α	Supply	€					
PA	Installation	€					
	COST OF CONTROL SYSTEMS						
С	Supply	€					
PC	Programming	€					
	TOTAL COST OF AULA MAGNA	€					



## **Room: IMMERSIVE ROOM**

	AUDIO VISUAL EQUIPMENT					
	DESCRIPTION	<u>U.M.</u>	Quantity	<u>Price</u>	<u>Amount</u>	
A1	Provision of a Video Matrix: 8 HDMI 2.0 inputs, 8 HDMI 2.0 and HDCP 2.2 outputs, 4K UHD @60Hz RGB resolution 4:4:4, up to 18 Gbps, 3D, Dolby TrueHD and DTS-HD Master Audio. Ethernet and USB control options.  [Reference Model: MX2-8x8 - HDMI20-CA or equivalent]	n	1	€	€	
A2	Provision of a BIAMP model audio matrix: 12 Mic/Line inputs with 12 AEC SONA, 8 balanced outputs, DANTE Protocol Stack with 32 in and 32 out channels, expandable without a switch to 2 machines or more, multi-programmable, self-diagnostic, remote control via Ethernet or RS232, 8-channel audio in-out USB port, Control BUS input, two-line OLED display, 4-port in/out GPIO.  [Reference model: BIAMP TESIRA FORTÈ DAN CI or equivalent]	n	1	€	€	
A3	IP54 aluminium column loudspeaker containing 8 2.75" drivers and EN54-24 certified. Selectable power at 120W/8ohm or 60W/30W/15W at 100V or 60W/30W/15W/7.5W at 70V, frequency response 90-17,000Hz. Vertical aperture at 30 and horizontal at 150. Dimensions 595x131x126mm, weight 6.2Kg, bracket included, white colour  [Reference model QSC model AD S802T or equivalent]	n	4	€	€	
A4	Provision of loudspeaker amplifier, 4 inputs and 4 outputs, Class D, power 2x60W at $4\Omega/8\Omega$ , 200W in bridge at $4\Omega/8\Omega$ , 250W in bridge at $100V/70V$ , FlexAmp technology, size $44x483x377mm$ .  [Reference Model: QSC MP-A40V or equivalent]	n	1	€	€	
A5	Provision of digital radio microphone kit consisting of an SLXD1 transmitter, an SLXD4 receiver and a WL185 cardioid lavalier microphone, J53 band (562–606 MHz).  [Reference Model: Shure SLXD14E/85-J53 or equivalent]	n	2	€	€	
A6	Digital radio microphone kit consisting of an SLXD2 transmitter with SM58 Capsule and SLXD4 Receiver, J53 band (562–606 MHz).  [Reference Model: Shure SLXD24E/SM58-J53 or equivalent]	n	2	€	€	



A7	Active antenna distributor for 5 receivers, carrier frequencies supported 470-952 MHz, typical impedance 50Ω, RF gain -1 to 1 dB, power supply: 14-18V DC replicated to 5 outputs (max current 2.5A), antenna output voltage 15V DC.  [Reference Model: Shure UA844 or equivalent]	n	1	€	€
A8	Ceiling Array Microphone Automatic Coverage™ technology requires no setup and yet provides precise control of audio capture if so desired. With next-generation array architecture for enhanced directional pickup and more natural speech, the MXA920 is easy to use and quick to deploy for AV conferencing, camera tracking, voice lift, or sound reinforcement.  [Reference Model: SHURE MXA920]	n	1	€	€
A9	Allows MXA910/MXA920 microphones to be suspended from the ceiling using a threaded rod or NPT pole.  [Reference Model: SHURE A900-PM]	n	1	€	€
A10	Provision of UHD PTZ HDMI +USB streaming camera, mountable on stand or ceiling, resolution 3840x2160 (max 29.97p/25p), 1920x1080 (max 59.94p/50p), 1280x720 (max 59.94p/50p), zoom 24x, zoom UHD 28x (FHD 36x), digital zoom extender 1.4x and 2x, focus min. 10 cm (Wide) 1.2 m (Tele), Auto or Manual Focus, Remote Control RS422 (RJ45), LAN IP (RJ45), Web Browser, USB-C, up to 100 saveable presets.  [Reference Model: PANASONIC AW-UE40KEJ or equivalent]	n	3	€	€
A11	Huddly IQ features a 4K sensor, wide-angle lens, and optional microphone array to ensure everyone is seen and heard. The camera intelligently frames participants and offers room analytics.	n	1	€	€
A12	Provision of 65" interactive displays: resolution 3840 x 2160, HDMI, USB, RS232, RJ45 inputs, connectivity Wi-Fi, Bluetooth, Size 1522.4x897mm, 6x62.9mm.  [Reference Model: SAMSUNG FLIP 2 WMR Series or equivalent]	n	2	€	€
A13	Provision of interface accessories and connection for interactive display with HDMI outputs.  [Reference Model: OPTIONAL CONNECTIVITY TRAY or equivalent]	n	2	€	€



A14	Supply of 55" display with the following characteristics: DisplayPanel size: 55"Brightness: 500nitsResolution: 1920 x 1080Contrast Ratio: 1200:1(typ.) Back-Light: D-LEDColour: 16.7M(8bit)Viewing Angle: 178°/178° Refresh Ratio: 8 msSurface Treatment: The surface of the LCD has an Anti-glare coating to minimize reflection and a coating to Reduce scratching. Haze 25%, 3H, (Front Polarizer) Usage time: 24x7MTBF: 30000 hours Orientation: Landscape & Portrait Physical Splice Pitch: 3.5mmVESA: 400x400mm, M6Set Dimension: 1213.6 x 684.3 x 94.4mm Packed Dimension: 1360 x 240 x 840 mm Net Weight: 28.1kg Packed Weight: 38 kg ConnectivityInterface: x2 HDMI (in), x2 DP (in & out), x1 DVI (in), x1 VGA (in), x2 RS232 (in & out) [Reference model Hisense 55L35B5U or equivalent]	n	6	€	€
A15	Provision of extender, transmitter, HDCP and EDID compliant, 4K, audio and RS-232, range up to 170m.  [Reference Model: LIGHTWARE HDMI-TPS-TX86 or equivalent]	n	9	€	€
A16	Provision of 24-port Layer 3 Managed PoE Switch, specifically designed to handle AVB signals. Front and rear mounting 1U rackmount: 24 RJ-45 ports 1 Gbps POE+, 300W SFP ports, Uplink from 1 Gbps, and 2 RJ-45 console ports including one Out-of-Band. One USB-C port  [Reference Model: Netgear GSM4230P-100EUS M4250-26G4F-POE+ or equivalent]	n	1	€	€
A17	Provision of extender, receiver, HDCP and EDID compliant, 4K, audio and RS-232, range up to 170m.  [Reference Model: LIGHTWARE HDMI-TPS-RX86 or equivalent]	n	9	€	€
A18	Provision of digital recorder, 12G-SDI video signal capture, HDMI, USB 3.0, 2 x XLR, 2 x RCA stereo, 1 x HDMI video output, maximum resolution 1920x1200, AVI, MOV, MP4, MPEG-TS recording formats, recording to local SD card (not included), via USB 3.0 port to external devices, via FTP SFTP, SCP, RSYNC, CIFS, AWS networks, or WebDAV Server.  [Reference Model: EPIPHAN PEARL NANO or equivalent]	n	1	€	€
A19	Provision of extender, USB 2.0, Cat.6, 4 ports, range up to 50m.  [Reference Model: LINDY 42681 or equivalent]	n	1	€	€



A20	Provision of presentation gateways for wireless computer content sharing, 100/1000 Mbps, autoswitching, auto-networking, auto-discovery, full/half duplex, TCP/IP, UDP/IP, DHCP, SSL, TLS5, SSH, SFTP (SSH File Transfer Protocol), IEEE 802.1x, Active Directory authentication, HTTPS web browser setup and XiO Cloud service, 802.3af compliant.  [Reference Model: AirMedia CRESTRON AM-3200 or equivalent]	n	1	€	€	
A21	Provision of table connection module, consisting of 3 Schuko sockets, 3 universal UNEL sockets, 2 HDMI, 2 RJ45, 4 USB, 1 XLR, 1 3.5mm audio jack.  [Reference Model: BACHMANN DESK2 or equivalent]	n	1	€	€	
A22	Provision of KNX IP interface to manage KNX			_	_	
	[Reference Model: Crestron CI-KNX or equivalent]	n	1	€	€	
A23	Provision of DALI Crestron interface.					
	[Reference Model: Crestron DIN-DALI-2 or equivalent]	n	1	€	€	
A24	Provision of 40-unit 19" racks with lockable glass door, suitable-sized mounts for video projectors, cameras, displays, PA system, and everything else required for the professional mechanical installation of all equipment.	fixed price		€	€	
A25	Provision of Cat.6, HDMI, Audio, connectors and everything else needed for professional cabling of all equipment.	fixed price		€	€	
PA	Labour for professional installation of the multimedia system including switching on and calibration of the audio/video system.	fixed price		€	€	
	CONTROL SYSTEMS EQUIPMENT					
	DESCRIPTION	U.M.	Quantity	Price	Amount	
С	Provision of wide-screen active-matrix colour display tabletop touch screen, 1920x1200 WUXGA resolution, capacitive touch screen display.  [Reference Model: CRESTRON TS-1070-B-S, 10.1" or equivalent]	n	1	€	€	
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С	Provision of processor, 4-series controller, 2 GB SDRAM, 8 GB flash memory, Embedded 4-Series multicore CPU processor, IPv6 ready.Dual Network Port: (1) Ethernet (2) Control Subnet  [Reference Model: CRESTRON CP4N or equivalent]	n	1	€	€
PC	Central control programming, creation of the graphical user interface and installation of the control system.  See report on Aula Magna Call for Tender for the specifications to be complied with.	fixed price		€	€

COST OF AUDIO/VIDEO						
Α	Supply	€				
PA	Installation	€				
COST OF CONTROL SYSTEMS						
С	Supply	€				
РС	Programming	€				
TOTAL COST OF IMMERSIVE ROOM		€				

TOTAL COST OF THE SUPPLY (AULA MAGNA + IMMERSIVE ROOM)	€
TOTAL GOOT OF THE GOTT ET (AGEA WAGNA + IMMERGIVE ROOM)	<u> </u>

The tenderer is required to duly fill the table above by including the price offered for each financial aspect to be evaluated.

Please take note that the points available for the economic offer (70 points) will be assigned on the basis of the total and all-inclusive cost of the supply by applying the following formula:

**P** = points assigned to the tender.

Date:	/ /	/
Date.	, ,	



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