NML Wondrous Place Gallery AV Hardware Questions & Answers

Q - We have studied the breakdown of the requirements as given in Appendix K but is this the full requirements? There is missing a significant amount of hardware to make it a fully working system.

A - This is primarily a refresh of the equipment that is in the Wondrous Place gallery, and some we already have in stock, hence the list that has been given covers all of our requirements.

Q - You have a list of exhibit items (for example Gallery – Intro / film). Is there a description, brief or drawings for each exhibit item please so we can better understand the requirements for each exhibit?

A - I don’t think the brief of each installation is relevant, as the requirements has already been determined

Q - Is any of the pre-existing projection hardware (such as lenses & mounts) in the 2 immersive theatres available for re use? If so, please can you provide model numbers and specifications?

A - No there is nothing to be re-used

Q - Please confirm exact model numbers for existing stock so that brands etc can be matched where possible? Also confirm if new screens should be 16:9 ratio or 4:3?

A - 16:9 for screens. Exact model numbers of kit not available. All kit is fairly standard so matching should not be an issue

Q - Is there a preferred media server platform used in other galleries within the museum?

A - No. Note: Media server should only be used for immersive areas. The other AV's are stand alone.

Q - Please confirm ceiling construction within the gallery space where projectors are to be installed? Can you also confirm what if anything is above the ceiling so vibration / transference from other areas can be assessed?

A - General construction of the ceiling is exposed services with steel beams, cable trays, lighting runs and AC ductwork. Picture attached

Q - Please confirm if there is a preferred headphone solution to match other spaces within the museum i.e head cup or over-ear headphones?

A - BlackBoxAV single cup heavy duty headphone.

Q - Please confirm if content mapping within space is to be carried out prior to the 15th October or that hardware just needed to be installed and tested by this point?

A - All AV should be ready for opening at this point.

Q - Please confirm location of comms room within GA to allow cable routes to be estimated in case data cabling needs to be replaced? Can you confirm that spaces are available within the comms room for the additional new hardware (such as show control and media servers)? Can you confirm if the rack for hardware to be installed in is existing or needs to be provided?

A - Space Rack and power are all available in the comms room. The comms room is located on the same floor as the gallery with lots of existed cable routes going to and from this area.

Q - Please confirm if the AVC is to provide network switches for hardware in comms room of if these are already existing?

A - These are existing. We would need the AVC to confirm with NML the min sepc requirements for the switching.

Q - Tender specifies maintenance costs should be included, can you confirm the response time and coverage dates required for the contract i.e. within 1 business day 7 days a week?

A - NML would like to see all options that can be provided along with details SLA's and prices.

Q - Is door control or lighting interfaces needed for the immersive theatres to manage the schedule and flow of guests into the space when the system is operating without a staff member?

A - This will be operated manually so is currently out of scope for this project

Q - Please confirm the number of speakers existing within each of the immersive spaces currently? Please also confirm the input to the amplifiers to ensure suitable interface between media server and amplifier is specified?

A - Beatles Audio Kit: BoseESP88 x1, Speaker EAW UB12 x12, Sub Speaker Tannoy VS10BP x2, Audio AmpLab Gruppen x4, Induction Loop Amp AmpetronicI LD300 x1

Football Audio Kit: Audio Processor Bose ESP88 x1, Speaker Tannoy V8 x5, Speaker Tannoy V15 DR x1, Audio Amp BoseEntero 4500 x2,Induction Loop Amp Ampetronic ILD300 x1

Q - Please confirm if there is a GA which denotes the install location of each AV assets within the exhibition?

A - No

Q - Please confirm if there is any restrictions on floor loading which would prevent a MEWP (such as a GS192 - 1500kg) to install high level hardware or must installation be carried out from low weight access equipment such as a scaffold tower?

A - The gallery floor is constructed to take an imposed weight of 10kn/m² - drawing attached. It’s also worth noting that we have an in-house Star 10 MEWP with a working height of 10m² which can be utilised by the contractors subject to holding the necessary permits/Licences.

Q - Please confirm minimum hardware specification (processor, RAM and HDD space requirements) for software to be deployed on NUC PC

A - i5 8bg RAM 256 HD space Windows 10.

Q - Please confirm that Brightsigns with Wifi cards are to connect to museum wifi network or if AVC must install wireless access points suitable to provide the onsite control network?

A - Will use NML WIfI

Q - Music Jukeboxes - The description suggests audio through a single headphone. However, the NML existing hardware shows 6 x Visaton speakers. Is the audio to just come from the single headset or the speakers as well?

A - It is for the option of both, the current plan is just to use the existing speakers. We may change this in the future but it will only either be either the speakers or the handset.

Q - Liverpool Film Presentation - Do you have some more information on what you are wanting to achieve with this particular exhibit please? As I note it is one speaker but two projectors, are these edge blended or separate images as you have two Brightsign players.

A - Ideally the projection will fill the 2 x walls width wise and floor to ceiling. Our concept uses the edge of the wall join to ‘break’ the visual in two, but we need the projector capability to create one seamless image as parts of the film may well need to flow seamlessly from one wall into another with no jump or misalignment. (see 2 attached images)

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