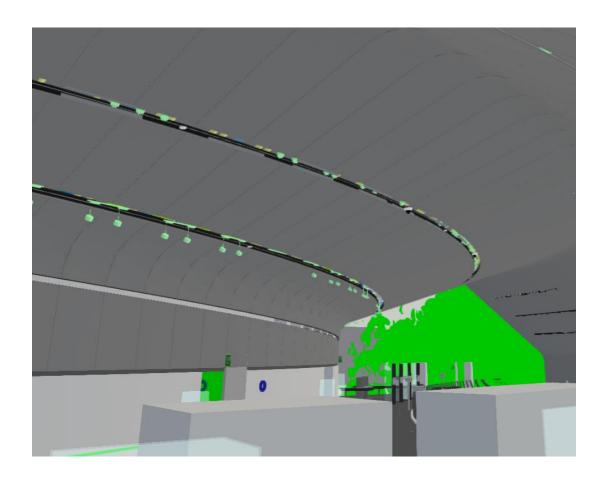




Supplier conference, technical information

Technical installations in the ceiling

- Slits in the acoustical ceiling
- Shall accomodate
 - Ventilation
 - Functional lighting
 - Cameras, detectors etc
 - Fire extinguishing
 - Exhibition lighting

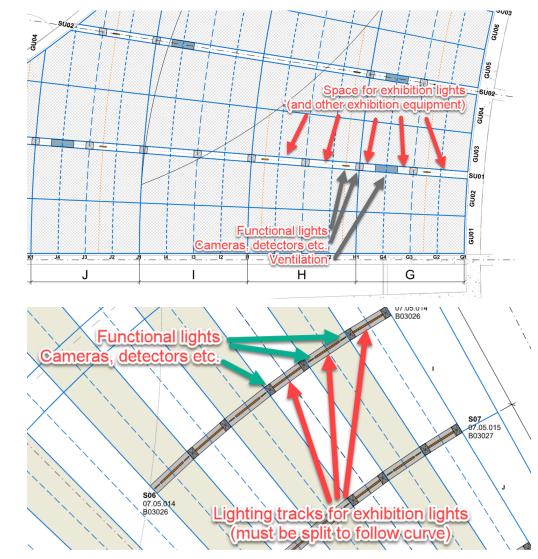






Slits in the ceiling for technical installations

- Fixed placement of:
 - Ventilation
 - Cameras, detectors etc
 - Functional lighting
- For exhibition lighting:
 - Lighting tracks need to be split in length to bypass other technical installations
 - For high ceiling, must also follow the curve

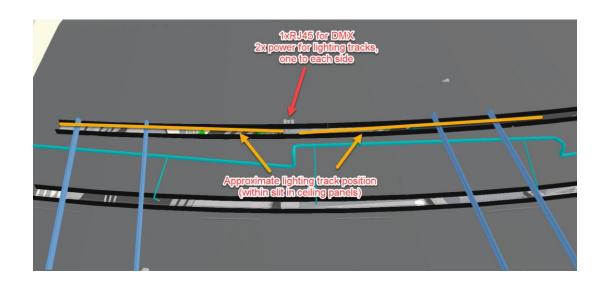






Light tracks and power/DMX connections

- For each track of approximately 12m length
 - 230V/16A circuit breaker
 - Power outlet or cable connection (TBD)
 - DMX: RJ45 connector with shielded CAT cabling from the EKOM room (often split between two lighting tracks)
- Light tracks must be split to pass other technical installations and to follow the curve





Interface between functional and exhibition lighting

Principle for light connections in the exhibition areas of the museum of the Viking Age

Lighting zones to be defined by the exhibition project DMX hub Area coverage for DALI2-gateways and DMX universes should adhere to the lighting zones (deviations can be tolerated) Flex-connection Lighting rail, 1 phase, DMX Lighting rail, 1 phase, DMX <12m rail length Length of the light rail segments will be Must also take into account determined by the distances between light max power per rail fixtures as well as the power requirements for Please note possible limitations Exhibition lighting (DMX) Functional lighting the lights. on DMX lengths for rail. power from rail DALI2 (separate cabling) DMX from hub Maximum 512 addresses in each DMX universe Maximum 55 addresses on each DALI2 bus/ segment (reduced from 64) Lighting rails are for Exhibition lighting only 5G2,5 1 phase + DALI2 Slits in the ceiling should include a cable ladder or similar for fixing/hiding cabling. Electrical cabinet Heavy lighting equipment must be ++Bxx=4330.nnn possible to fasten in the slits/behind the Showcase I/O unit Fire-alarm (Equipment delivery) uses with AFDD Technical feed Concrete floor CAT6A DALI junction box RJ45 5G2,5 (1 phase+DALI2) DMX masters will be installed in the Rev. 03 Changes: Patching panel · Rails in ceiling delivered by user equipment project different ICT/EKOM rooms, not in · Connections to rail by exhibition project No DALI in rails in the ceiling the electrical cabinets Text updated DALI gateways delivered by building project To ICT-room Network from ICT-DALI gateway and DMX master shall also Responsibilities for Doc.no: 1011301-RITB-NOT-004 rooms contian power supply deliveries as of April 2023 By: Petter F. Schmedling Connections to power supplies are not Rev. 03 Date: 18.04.2023 Power connections are not shown





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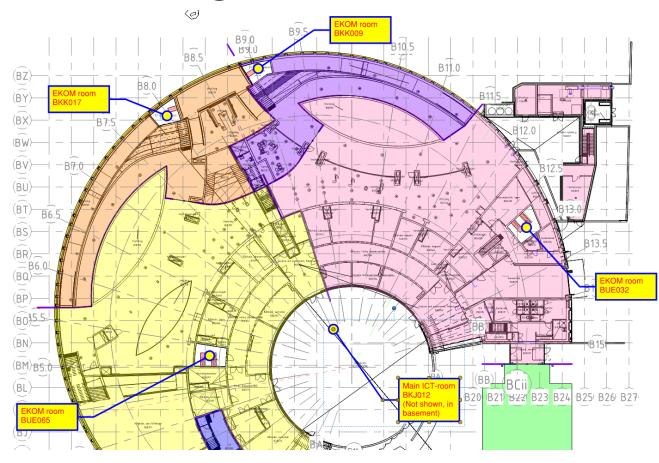
Showcase lighting

- Showcase lighting will be delivered by Goppion (showcase supplier)
- Control of showcase lighting is via DALI-2 (mostly on/off)
- Exhibtion lighting shall integrate and control lighting for 1000-swords (DMX) (TBD)
- Top level light control/exhibition control will control showcase light
 - Possible exception, 1000 swords (TBD)





Building and technical rooms



(BU)-(BT)-(BS)-(BR)-

B6.01 (BQ)

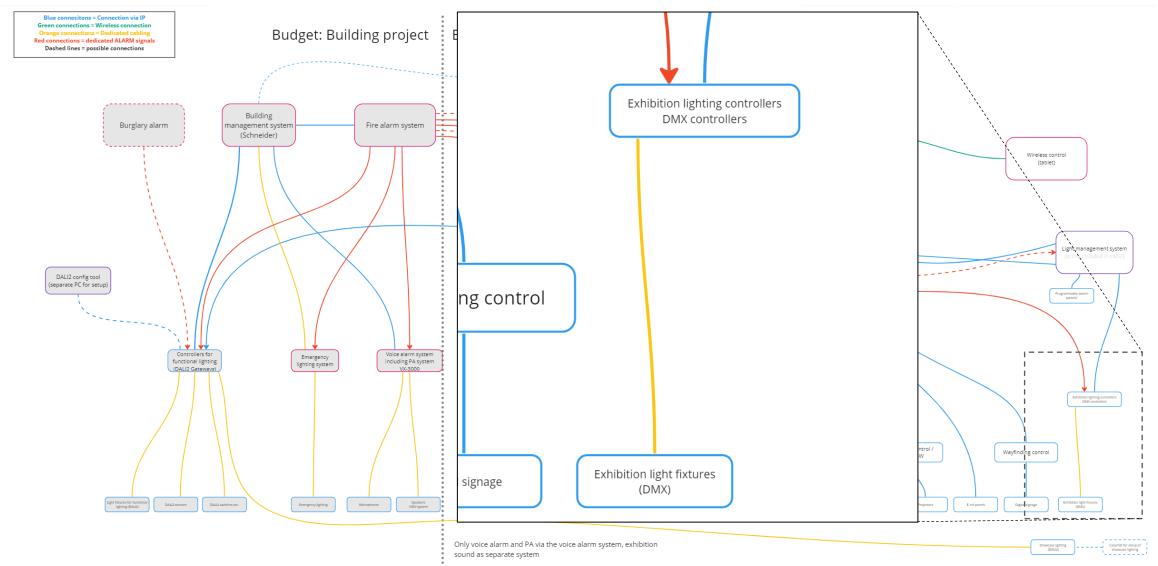
Ground floor and 1st floor partition, the coloured parts correspond to each EKOM-room Main ICT-room will contain exhibition servers and main controller components





B10.5

Main technical interfaces (for lights)







ICT (EKOM) rooms

- Main ICT-room
 - BKJ011
 - BKJ012 (exhibition servers etc)
- Sub-ICT-rooms
 - BKK009 (for Oseberg, outer rim)
 - BKK017 (for Gokstad, outer rim)
 - BUE032 (for Oseberg, inner rim)
 - BUE065 (for Gokstad, inner rim)
 - BUE115

- 24G fiber between main ICT-room and sub ICT-rooms
- 12G fiber for cross connection between sub ICT-rooms

