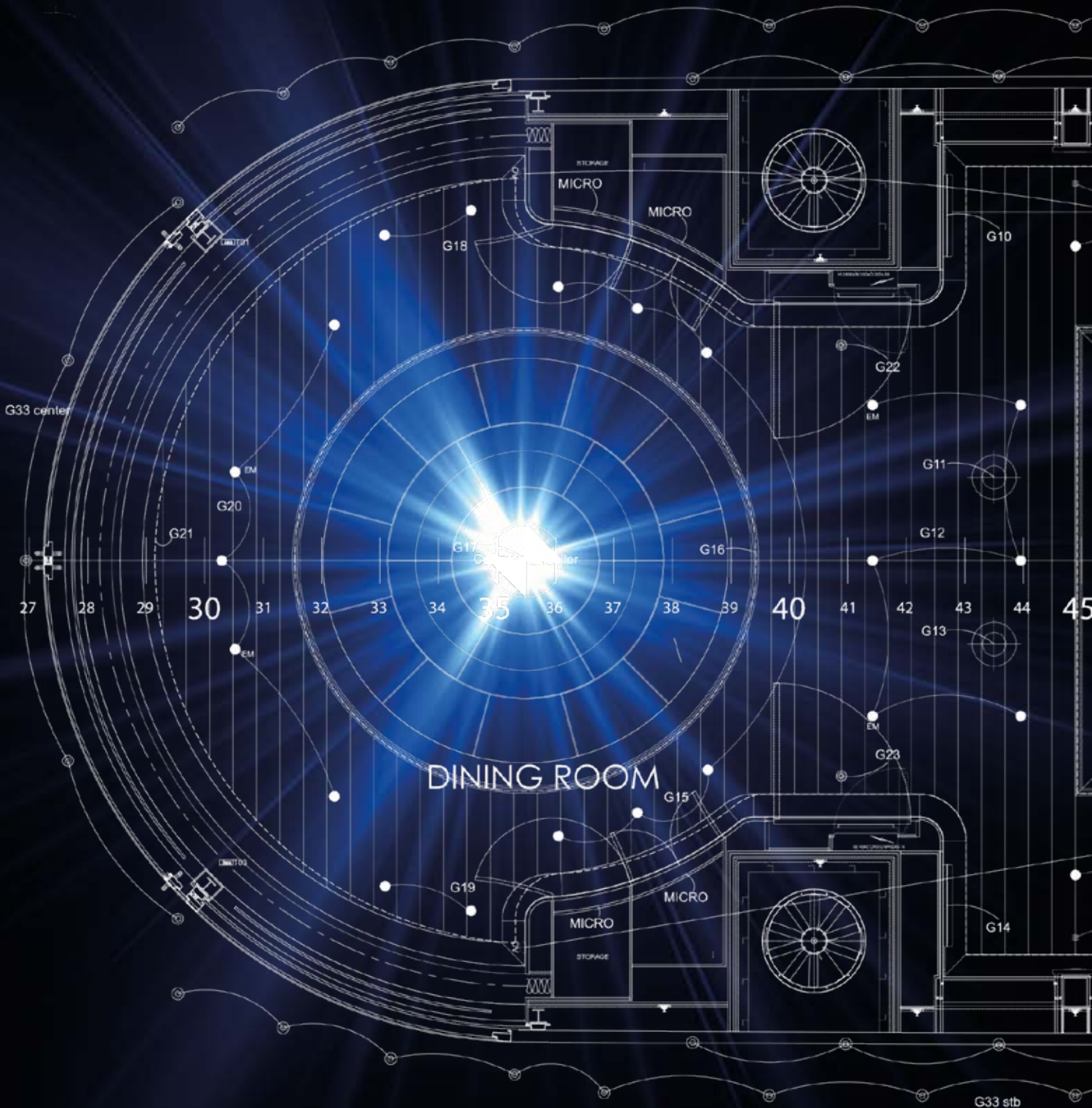


# VIDEOWORKS

AUDIO / VISUAL · HOME AUTOMATION · ENTERTAINMENT · IT

## *Lighting Department*



# Lighting Department

- 1\_ Example of light engineering
- 2\_ Lighting Project onboard  
MY Aslec 4, Rossi Navi
- 3\_ Architectural Complex Ca' Granda  
UniMI, Auditorium
- 4\_ Interactive ceiling
- 5\_ MY Aziza, 41 mt -  
ISA Yachts

The implementation of light is getting more and more important in every Project. Creating atmospheres and scenarios and controlling everything via touch panel is an experience **Videoworks** can deliver to its exclusive Clients thanks to its dedicated **LIGHTING DEPARTMENT**, which is focused on:

- > Design and Technology*
- > Lighting Calculations and Control Systems*
- > Innovation and Style*
- > Scenarios and Atmospheres*
- > Architecture and Engineering*
- > Wiring Schemes*
- > 3D Renderings and Electronics*

With a highly skilled staff with great experience on Mega Yachts and Luxury Properties, **Videoworks** can give support to Shipyards, Architects, Engineers, Electricians and Technicians involved in the Project being a specialized interlocutor able to speak with all the Actors, thus avoiding problems and misunderstandings. **Videoworks** uses sophisticated advanced techniques of 3D graphical design for renderings, video and lighting calculations and has a big experience on the lighting management systems. A special attention is paid to the EMI / EMC standard.

The first phase of **Videoworks** work is the analysis of the customer requirements and the study of architectural design.

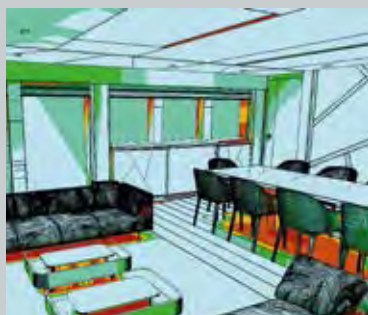
After that, the ideas with renderings and video made with real photometric curves of each lighting fixtures are presented.

All indoor and outdoor areas are calculated using 3D calculation software. In this way, the correct lighting is ensured in each zone.

**Videoworks** positions the lighting fixtures on CAD and indicates the division in circuits. In this phase, all the installation details are provided.

The design of the system is realized out of clear ideas of what we want from it and the proper BUS control (DALI, DMX, etc).

The user interfaces and the related scenarios are studied in detail, room by room and the wiring schemes are provided in compliance with all standards EMI / EMC.



1



2



3



4

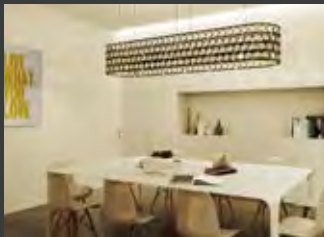


5

# Steps of the Project

**Videoworks** presence is noticeable in every step of the Project, from the initial idea to the final test, while giving support and guidance.

## 1 Layout Study



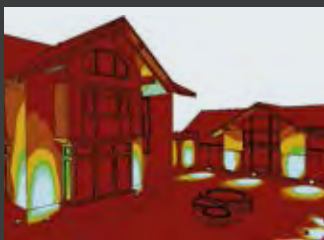
The first phase of our work is the analysis of customer requirements and the study of architectural design.

## 2 Renderings



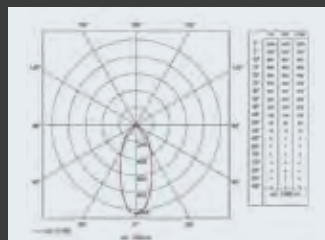
All our projects and ideas are presented with renderings and video.

## 3 Lighting Calculation



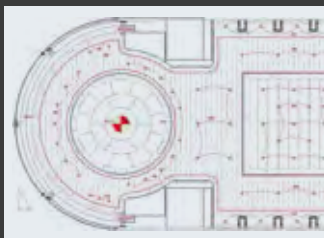
All indoor and outdoor areas are calculated using 3d calculation software. In this way we are able to ensure the correct luminance in each zone.

## 4 Luminaries



We choose and design all luminaries paying attention to all the necessary lighting parameters.

## 5 Cad Positioning-grouping



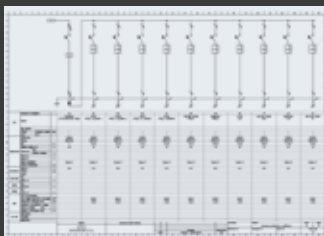
We position the lighting fixtures on CAD and we indicate the division in circuits. In this phase we supply all the installation details.

## 6 Control System



We design the system with clear ideas of what we want from it and we choose the BUS control (DALI, DMX, etc). The user interfaces and the related scenarios are treated in detail room by room.

## 7 Wiring Schemes



We provide the wiring scheme in compliance with all standards EMI / EMC.

## 8 Commissioning



We are present in all phases to the project, from the initial idea to the final test by giving support and guidance.

*The Light Engineering phase involves the choice of the scenarios setting and control via Touch panels.  
The Lutron project is analyzed separately.*



# References



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