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Lighting engineering becomes reality thanks to Videoworks' new 3D virtual software

- **A system that allows a more than realistic 3D reproduction of on-board lighting**
- **With a 3D viewer, owners can visit their yacht and preview the lighting on board**
- **A tool for shipyards and interior designers to plan and anticipate lighting solutions**

Videoworks, the leader company in Audio/Visual, Entertainment, IT and Lighting & Comfort market, confirms its ability to innovate unveiling its new "Lighting Engineering" system, which is revolutionising the design of the yachting lighting solutions.

Engineer Leo Megna, Head of Lighting and Comfort Projects at Videoworks, explains. "*A new design method has been developed specifically for lighting technology, a new software created* ad hoc*, in collaboration with Eon Reality, which allows us to offer a highly innovative tool for the integration and control of lighting points inside the yacht with the fundamental support of virtual reality*. *In this way, together with the architect and the shipyard, the different lighting scenarios are optimised and then proposed to the owner, who will have an incredibly realistic view of the various rooms thanks to a 3D viewer. This will allow for all the details to be worked out before they are actually built*."

Once again, Videoworks manages to surprise with a solution that redesigns the lighting scenarios on large yachts. In addition to the areas that its core-business is traditionally based on (fully customised integration systems for audio and video, entertainment, home automation, IT and telecommunications), Videoworks is now presenting a system that will ensure a more immediate and realistic perception of what the lighting solutions on board will be like.

With the new "Lighting Engineering" system, the shipyard or architecture firm working with Videoworks will be able to develop its project as a team, with step-by-step analysis of the designer's needs; lighting will be treated as if it were simply another furniture item and the partner will receive the technical support needed to identify the best solution - guaranteed.

In addition to the usual design documentation detailing all aspects of lighting, virtual reality will bring the illuminated rooms to life exactly as they will be once they have been built. But that's not all - it will also be possible to intervene in real time to evaluate and verify changes in the diameter of the light cones, the colour temperature and other variables that are always important in the definition of a lighting system.

"Following the design phase, which remains essential for us as designers and is the basis of the whole process, thanks to the software developed with Eon Reality, we will be able to offer the owner an interactive and dynamic 3D view of every part of the interiors through a viewer very similar to those used for the most advanced video

games," continues Leo Megna. "*A vision of the owner's cabin rather than the living room will be absolutely realistic, just as that setting will be lit up on the first night in the roadstead*."

Videoworks' partner in the development of the new "Lighting Engineering" system is Eon Reality, a world leader in knowledge transfer through "Augmented and Virtual Reality" (AVR).

Videoworks' technicians and engineers are already working on future implementations of the system, such as the possibility of using 3D virtual vision in outdoor environments as well.
"*The idea is to extend this new lighting design technique to outdoor areas,"* concludes Leo Megna. "*Imagine a drone controlled by the owner flying over the yacht at night and reproducing all the lighting on the boat, from the interior lights in the windows to the decks and underwater lights. It offers an incredible view, but also the possibility of visualising what will then be built, fine-tuning every detail."*

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