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Videoworks reveals the secrets of the innovative Music Hull, the solution that allows you to listen to high-definition music underwater

- *Videoworks has developed Music Hull starting from an idea of the Ferretti Group Engineering Department*
- *Music Hull is the first system that transforms the hull itself into a loudspeaker that can propagate high definition sound underwater*
- *The world's first yacht with Music Hull is the new Pershing 8X*
- *Simplified controls from smartphones, tablets or Apple Watch*

Listening to music underwater while you swim or enjoy a deep sea dive? Now you can, thanks to the innovative Music Hull, a solution stemming from an idea of the Ferretti Group Engineering Department and developed by Videoworks. It will be presented for the first time ever on the new Pershing 8X.

HOW MUSIC HULL WORKS

The Music Hull system transforms the hull itself into a loudspeaker that can propagate high definition sound underwater. The system is based on the installation of shakers on the inner surface of the bottom's stern section. "One of the crucial aspects of the project was finding the correct positions for the shakers," explains Maurizio Minossi, CTO for Videoworks. These devices are never in direct contact with the water, but they can propagate sound waves underwater by making a submerged part of the hull vibrate.

Essentially this audio technology uses bending waves, filling space with an even acoustic pressure without requiring holes or openings in the hull. The quality and high fidelity of the sound is guaranteed by an electronic equalisation algorithm that allows the system to independently calibrate in real time.

SIMPLIFIED CONTROL SYSTEM

The sound coming from the Music Hull system can be heard in a radius of about 20 metres around the yacht, with a feature that makes it very different from classic external loudspeakers: the intensity decreases linearly and not with the square of the distance, which means it decreases more slowly. During the various tests carried out by the Videoworks team, the Music Hull system was calibrated to provide optimal performance in fresh- and salt-water. A large temperature interval was considered as well.

Owners can manage Music Hull very easily through VOTIS (Videoworks One Touch Infotainment System), an innovative technology that combines in one device (smartphone, tablet or Apple Watch) all the various commands of the devices. It can also be used to manage domotics on board.

About Videoworks

The Videoworks Group is the undisputed leader in AV and IT integration in European yachting. With business premises in Ancona, Viareggio and Aalsmeer, in the heart of the Italian and Dutch boatbuilding districts, and in Fort Lauderdale, the yachting hub of North America and the Caribbean, and with partners all over the rest of the world, including South America, Southeast Asia and China, the Group responds to the demands of a highly selective international clientele.

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