

## **The coolest solution for AV**

Genesis Technologies Marine AV over IP Technology - literally the coolest audio-visual entertainment solution for superyachts!

Genesis is known in the marine leisure industry for its innovative and highly flexible, network-based audio-visual solutions - AV over IP. Not only do they sound great with amazing features and functions and high reliability, but they also save a lot of space *and heat* on a yacht. Indeed, they are way more efficient and thus literally a lot cooler than anything else currently available on the AV market.

Traditionally, a big matrix switch was used in the main equipment rack of a yacht, to manage the availability of the different media sources (i.e. Apple tv or Spotify) for viewing- and listening pleasure in all the different zones; the decks and cabins. These matrix switches emitted a lot of heat and needed to be constantly cooled.

In the Genesis solution, these have been replaced by software, running either on a DSP (digital signal processor), or on their very own hardware, the NGTC-VCX1. The latter are not only about a 5<sup>th</sup> to a 10<sup>th</sup> smaller in size, compared to the old 'fixed' matrix switches, but they also give off about 80% less heat.

Also, with the commonly used systems, there needed to be an AV-receiver in many cabins, a piece of equipment as big as 3 shoeboxes, that also expended a lot of heat. These have now been replaced by the unique Genesis Technologies Marine NGTC-MCP4K, that is roughly a quarter of a shoebox in size, PoE powered, and it does not need to be cooled at all, since it emits only a negligible minimum of heat.

Besides these two big heat and space savers, the Genesis amplifiers are also highly efficient and much smaller. For example, the 140W - 32 channel amp., that takes up only two, as opposed to eight rack units of space, while being about 70% cooler. Or the small Nexgentec PoE powered amplifier, that needs no cooling at all and that is ideal, with its 40W - 2 channels, for smaller cabins, such as dressing rooms or bathrooms as well as crew cabins.

Finally, with the Genesis software modules, there is a reduced need for certain equipment. For example, thanks to the different seating positions in the same zone, that can be defined in the software. This cool feature allows two or more adjacent zones to 'share' speakers or subwoofers.

Moreover, with the Genesis Technology we can not only save space and energy directly, thanks to the solution itself, but also indirectly thanks to the reduced need for cooling equipment.

Many of the main integrators in the marine industry, that provide solutions not only for AV, but also for communication, navigation, security and control, to name but a few, have now started to use the innovative Genesis Technologies Marine hard- and software in their AV solutions. Ask them for a quotation now and see how you, too, can save a lot of space in your next project, while keeping things very cool.