



viveur

artisans of

capability statement

ambience



Many of the innovations that have been employed in buildings, automotive or defence applications have not yet been applied to the superyacht space, leaving innovative companies with a huge opportunity. We make it our business to ensure that there is as much technology transfer as possible for the benefit of our customers. It is even possible to replicate your home or private jet experience onboard. Visit our [Configurator](#) to design the perfect system for you.

## ambiences

Like lighting scenes or 3D virtual reality experiences, we create a set of ambiances for your perfect interior. Comprising acoustic, thermal, olfactory and visual elements, we provide a bespoke sensory experience just for your personal space. All selectable at the touch of a button or voice command.

## perforated and stretch ceilings

The best way to ensure optimum distribution of airflow round any space, avoiding any grilles or diffusers, or any other visual disturbance to the interior decor. This technology spreads the airflow around the entire ceiling, creating a very gentle sensation of air movement everywhere.

## variable refrigerant flow and volume

Very accurate temperature control of a space can be achieved by careful regulation of the refrigerant flow to each fan coil, as well as avoiding drafts of hot or cold air. It also allows simultaneous heating in one area and cooling in another.

## combined heat and power

A huge amount of heat tends to be thrown overboard from the engine water jacket, which could be harvested for heating the vessel in cooler or Polar climates.

## energy efficiency and harvesting

Considering that many superyachts frequently inhabit very warm areas of the globe, there is an opportunity to utilise improving solar panel technology. When combined with skilful control strategies and understanding of the vessel usage profile, it is possible to greatly decrease energy consumption, limiting environmental impact and increasing vessel range.

## scent diffusion

Featuring advanced molecular breakdown and diffusion of essential oils throughout the space, it is possible to create powerful and memorable experiences by tailoring the scent applied to each interior space.

## advanced control strategies

Advances in AI as of recent years make it possible to control your interior systems by the use of the voice alone, or with invisible touchscreens built into the bulkhead, with gesture control for system changes.

## hot water regeneration

Ever considered using the heat from your server cupboard and A/V rack, and putting it into your hot water system? Waste nothing on board, and ensure your yacht is as environmentally friendly as possible.

Our engineers and designers understand all the elements of the physical environment on board, and how it is comprised. It is necessary to have a very wide range of technical skills to ensure the systems we provide function flawlessly. This is a list of all the major areas of expertise that we have, that we manipulate in order to maximise your enjoyment.

## direct expansion (DX)

The physics of how a refrigeration system functions, involving use of refrigerant in dual phases for either heating and cooling. Controlling the compressors to achieve exactly the correct amount of cooling required in the vessel, in order to minimise temperature differences and maximise power efficiency.

## electrical power

The intelligent use of electrical power is very important throughout the entire system, both in how everything is controlled, and also how efficiently it is powered. The forward-looking superyacht owners of the future are interested in their contribution to saving our planet, and we stand ready to work with anybody to realise the best low-carbon future we can.

## air movement

The study of air movement throughout your personal spaces is hugely important to your enjoyment of each area. It is also the most frequently mis-designed part of the system. Using thermal and air movement visualisation software, we can demonstrate how we will avoid drafts of hot or cold air, create an even temperature across the space, and can even provide a system which is compliant with the ISO7730 standard.

## control systems

Whether you prefer voice activation, a big red button on the wall, or an wifi-enabled app, you are the master of your own ambience. Advances in AI as of recent years make it possible to control your interior systems by the use of the voice alone, or with invisible touchscreens built into bulkhead, with gesture control for system changes.

## acoustics

We aim to ensure that you can whisper above the noise of your system. Utilising active and passive sound control technologies, it is possible to limit sound emission as much as possible at source, leaving the cabins unpolluted with extraneous sounds.

## information and communication

Understanding what your system is doing is important on two levels - for the users of the space to be able to control their ambience, and secondly for the ETO's and crew members to be able to run the vessel efficiently, especially for charter applications. One of our fundamental principles is openness, so we will always offer other centralised networks the option to communicate with our system on common protocols. This ensures the advantages of integration are available to all.

