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**the latest
technology
for the
nautical service**

Iacomelli Ricerche Avanzate (Iacomelli Advanced Researches), is a company which hails from ten years-experience within the nautical sector: Thanks to the ongoing research into the latest technologies, and our expertise in the biological sector, a team of qualified professionals is available for sanitization of different areas in order to prevent, identify and eradicate viruses and bacteria (among which Legionella, Salmonella, Listeria and Norovirus etc.), moulds, mites and to eliminate bad odours.



Iacomelli ricerche avanzate

What is sanitization

Usually, the crew on board takes good care of the cleaning and the maintenance of the boat. Sanitization is the next step following the ordinary cleaning procedures which are commonly carried out either by the crew or by a specialized company.



There are many reasons as to why it is important to sanitize a boat as well as keeping it clean.

On all newly built yachts, the air-recycling process is ordinarily attained through air conditioning. This process may cause viruses, moulds and bacteria to linger and proliferate within the affected areas such as ducts or those areas which are hard to reach during the usual cleaning procedures.

The risk of contamination becomes very high after long distance crossings or when interacting with high-risk infected areas (such as Africa, Asia and South America). These treatments, if repeated at regular intervals, prevent the outbreak of the above mentioned problems. To give the ship's owner a boat which is sanitized as well as clean, is a display of remarkable professional qualities.



How is sanitization carried out

1. Inspection

Sample and analysis of samples taken on board

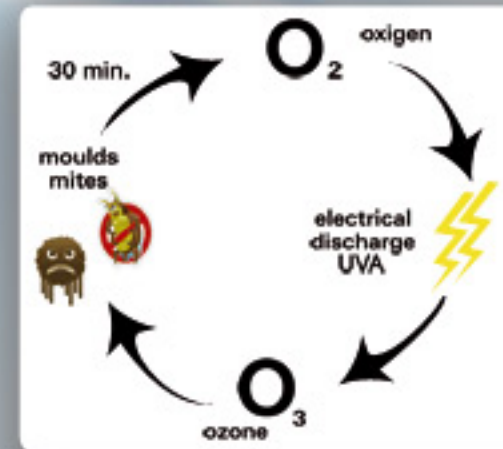
2. Mechanical Sanitization

Disinfection of the areas which were shown to be at risk during the inspection. The disinfection process is to be performed with the help of appropriate products and instruments.

3. Ozone sanitization

What is Ozone

Ozone is an unstable gas made up of 3 oxygen atoms and it can be obtained by submitting the oxygen to electric discharges, UVA Rays and chemical processes. As ozone cannot be stored, it is produced on the spot by means of specific generators. After about 30 minutes from the time of production, it goes back to its natural state which is oxygen.



Why disinfecting with Ozone

Ozone is a powerful oxidizing agent which performs a thorough disinfecting anti-mycotic and bactericide action within confined areas. This gas, once it is released into the room, has the capability of eradicating moulds, germs, mites and eliminating bad odours, bacteria, and viruses which are concealed in areas that are hard to reach during the ordinary cleaning procedures.

Sanitization on board

• Eliminating bad odours on board:

This is achieved by means of a shock treatment with ozone in order to eliminate odours such as cigarette smoke, smells coming from the kitchen and store-rooms, from the carpets and other areas.

• Disinfection treatment of bath tubs, Jacuzzis and bathrooms:

Mechanical sanitization followed by the ozone treatment. In bathrooms areas and especially in Jacuzzis there are plenty of concealed bacterial charges, which can be removed permanently by means of the above mentioned treatment.

• Store rooms and fridges:

Mechanical sanitization, ozone treatment. The ozone process eliminates bad odours and slows down the deterioration of foods.

• Disinfection of the air conditioning ducts:

Ozone treatment to eliminate bad odours, fungus, moulds, bacteria, germs and viruses which are concealed along the air-ducts.



• Water purification treatment:

Disinfection of the water tanks and water purification treatment with chlorine and sanitization of all the water ducts.

• Water tanks for the collection of black waters, grey waters and bilges:

Ozone treatment in order to prevent the bad odour coming from the air vents of the tanks.

• Disinfection of fan-coils:

Mechanical and ozone sanitization of the entry ducts and of the condensation collecting basins.

• Treatment of the crew, VIPs and owner's cabins:

Ozone treatment for the complete eradication of bacterial charges, germs, moulds and viruses which exist on surfaces, carpets, curtains and fabrics.