

Luxury yachts
Noise control solutions



Experts in Noise Control Solutions

Superyacht construction is an adventure for the mind..

Sketches on a page become a unique masterpiece in the shipyard. Every detail matched precisely to the client's wishes. The yacht eventually provides the owner with a level of personalised comfort that no other vacation environment can match..

Alara-Lukagro is proud to contribute to this experience, through making the yacht a relaxing and quiet place to stay. We understand the importance of unique and custom design to match the high standard of a perfectly crafted yacht. On top of that, we have the knowledge and tools to guarantee high noise reduction, so that your client is assured of a quiet and relaxing environment.

Our noise control solutions for new build or refit include



Sound insulating enclosures for gensets



Wet-paint & coating of gensets



Sound insulating doors and windows for engine room



Sound insulating walls for engine room

Sound insulating enclosures

The benefits of using sound insulating enclosures for your gensets:

- **Silence:** a remarkably quiet operation of the gensets.
- **Freedom in design:** place the genset anywhere in the ship. Even rooms where silence is of great importance can be located close to the generator. The enclosure ensures the genset is quiet wherever it is placed.
- **Ease and lower costs:** an enclosure means handling the noise problem right at the source. Therefore, acoustic insulation of the generator room is easier and saves you costs.

Properties of an Alara-Lukagro enclosure

- **Aesthetics:** clean design with stainless steel hinges and locks. Provided with high quality surface treatment on the in- and outside of the enclosure.
- **Easy maintenance:** perfect accessibility thanks to modular design. Integrate led-lights for easier and safer maintenance.
- **Safe:** improve safety in an event of fire with integrated fire-extinguishing units.
- **Durable:** made with high quality materials and hardware.
- **Optimal performance of the gensets:** the enclosure is executed with sound attenuated ventilation provisions tailored to an appropriate cooling of the generator set.
- **Warranty:** noise reduction is always guaranteed.
- **No vibration noise:** vibration free installation with for instance a “double mass resilient system” is possible.
- **Quick:** 2D and 3D General Arrangement drawings and models are available of the most commonly used generator sets for swift design/delivery.
- **Complete:** including foundation with drip pan function, if desired.
- **Completely care-free:** if desired, we can place the generator set in the enclosure, arrange transport and perform the installation as a whole on the yacht, with our own experienced and certified assembly team.

Wet-paint & coating

Our core-business is noise control. To ensure the high quality standard of our noise controlling products, we have our own wet-paint and powder coating facilities. Therefore, we can offer a complete solution including coating of the generator set and its foundation in the same colour and quality as the sound enclosure.



Sound insulating walls and doors

The benefits of using Alara-Lukagro walls and doors for your engine room

- Show-off the heart of the ship by creating a see-through, clean-designed, silent engine room wall.
- Doors have a clean design and are fully customisable and are therefore very appropriate to place anywhere in the yacht where high sound insulation is essential.

Alara-Lukagro provides you with:

- Quality doors with high sound insulation values and fire resistance properties. Integrated windows with sound insulating glass is possible. The doors are custom-build; all shapes and sizes are possible.
- Clean-designed, high quality sound insulating wall elements with high sound insulation values. Walls can be provided with sound insulating doors, glass and ventilation openings with silencers.
- Sound absorption panels for walls and ceilings. The panels are custom-build; all shapes and sizes are possible. The panels ensure a high sound absorption level in the room and a complete quiet result.



Noise control solutions luxury yachts

More noise control solutions for yachts

Alara-Lukagro has extensive experience in noise control solutions and offers a variety of solutions, for both luxury motoryachts and sailing yachts. Solutions include:

- Noise insulation of machinery and installations, like mooring arrangements, bow thrusters, pumps, etcetera.
- Sound attenuation for HVAC and ventilation units, like custom-build silencers, acoustic louvres or complete ventilation sets with ducting.
- Vibration isolators, like exhaust suspensions or anti-vibration mounts.
- Sound absorption panels for walls and ceilings. The panels are custom-build; all shapes and sizes are possible.



Alara-Lukagro as your partner means

- Made in Holland: quality is guaranteed. Custom design, engineering, production and coating, all in our high-standard facility in The Netherlands.
- Knowledge: knowledge of sound, of demands from the luxury yacht market and advanced engineering and production methods.
- Experience: ask for our impressive reference list for the luxury yacht market.
- Advice on the most effective, efficient and usable solutions for your situation.
- Worldwide delivery and installation by our own certified and experienced mechanics.
- Approved and certified: Alara-Lukagro is ISO 9001 and ISO 14001 certified and our Safety Assurance System is approved by Lloyd's. Wherever possible, we work with MED approved materials. We have experience with notified bodies like BV, DNV-GL, Lloyd's and ABS.



Do you have any questions or inquiries on noise control solutions for luxury yachts?

Please do not hesitate to contact us. We are happy to provide you with advice on the most optimal solution for your project.



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