



TenCate Advanced Armour

Global strategic partner in naval survivability systems.

TenCate Advanced Armour

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TenCate Advanced Armour is a global strategic partner in naval and maritime survivability solutions. TenCate Advanced Armour can analyze, advise, design, integrate, develop, and manufacture complete protection suites thereby supporting ship yards and ship builders from the earliest analytical phase to commissioning. As a global organization, TenCate Advanced Armour can also assist in survivability life cycle management across program life cycle to maintain the protective capability of the vessel. TenCate Advanced Armour can provide survivability solutions for all classes of ships from light and nimble RHIBs up to and incl. ocean-going vessels.

TenCate Advanced Armour use different fibrous, metallic, and ceramic materials to provide areas onboard with an additional anti-ballistic capability such as ammunition storages, command bridge, combat information centers, communication equipment, radars, hangars, and weapon systems. In the design and integration phases, TenCate Advanced Armour can design survivability solutions that accommodates the native features of the vessel and decrease additional material consumption while at the same time providing a lightweight and resilient anti-ballistic solution facilitating the maneuverability, operability, and mobility of the vessel diminishing the impact on

vessel center of gravity. TenCate Advanced Armour can assist in the development of new types and classes or partner as a survivability partner in retro-fit projects. All survivability solutions from TenCate Advanced Armour are certified in accordance with international standards in terms of ballistic capabilities, secondary properties, and environmental performance. TenCate Advanced Armour is an OEM-independent entity that provides survivability solutions to private entities and for large multi-year government programs, uniquely designed for land systems, watercraft, and aerospace applications.



Systems and solutions

Integrated survivability systems and solutions engineered for naval and marine applications.

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Exterior systems

TenCate Advanced Armour can develop, integrate, and manufacture exterior protection systems with anti-ballistic capabilities to cover special areas onboard the vessel or the complete vessel above the water line. Our dedicated engineering team works directly with the ship yard to ensure that panels are made to fit the vessel on new builds and existing vessels while also ensuring that ballistic gaps are kept to a minimum and inventory minimized utilizing a principle of modularity. The survivability solution is composed of lightweight materials and engineered to decrease material consumption to decrease impact on maneuverability.

Interior systems

TenCate Advanced Armour can also provide additional liner and panel systems to provide additional protection for vulnerable areas onboard the vessel such as command bridge, engine room, ammunition storage, command & control centers, and hangars. The interior systems work in combination with the vessel hull to provide additional anti-ballistic capabilities, reduce fragmentation from penetrating projectiles, and adds a fire-retardant barrier to the areas.

Saltwater resilient coatings

All survivability solutions from TenCate Advanced Armour can be coated with a saltwater and

UV-resilient coating to increase their resilience against difficult humid saltwater conditions. The coating accepts granulates and can be provided with and without granulates. Where granulates are added, the coating can double serve as an anti-skid surface.

Radar-transparent solutions

For radars and other vulnerable equipment, TenCate Advanced Armour can provide special solutions that accommodate the functionality of the equipment. Radar-transparent solutions can provide protection for radomes against hand weapons with little to none impact on radar functionality.