

Marine  
Windows

# Marine Vessel Windows

Vessels And Marine Application Windows



**Defense Systems**  
Force Protection Experts

# About G.G. Defense Systems Ltd.

- Founded in 2007, our company offers solutions for various defense and HLS threats from blast mitigation to ballistic protection, from simple vandalism crimes to massive terrorist attacks.
- Our company provides solutions for complex protection applications, combining experience in force protection solutions and an extensive knowledge of materials and technologies.
- Our range of products and solutions comprise also light composite ballistic panels, personal protective plates and bullet-proof body armor.

## Our Clients



# Marine Windows:

G.G. Defense Systems (GGDS) offers its customers a variety of force-protection Marine Windows, against different potential threats:

- Blast resistant windows
- Ballistic rated windows

## Blast Resistant Windows

G.G. Defense Systems specializes in the design, manufacturing and installation of blast-resistant windows that are tested in live blast tests in Israel and abroad according to project requirements and international standards. Our company can provide a large variety of window types such as fixed, sliding, awning, tilt and more both in Aluminum and Stainless steel.

The company's blast-resistant windows are tested for blast levels reaching up to 70 Psi (reflected pressure) and 320 Psi \* Msec (reflected impulse). G.G. Defense also tests its windows for a combined threat of both blast and shrapnel upon client's request and project specifications.

Our company's blast-resistant windows are manufactured from customized steel or aluminum profiles which along with GGDS unique balance design, ensure the durability of the windows under high blasts with the highest protection level complying with GSA Level 1 rating for windows, in accordance with the American standard GSA TS01-2003, while maintaining a highly aesthetic appearance and maximum clear opening.

G.G. Defense Systems' blast-resistant windows can also incorporate an additional combined protection from ballistic and forced-entry threats.



## Ballistic Rated Windows

The company's marine windows are tested and approved according to the highest ballistic levels in accordance with American standards (NIJ 010801 level IV), European (EN-1522 FB7, EN-1063 BR7) and NATO (STANAG-4569 Level 5).

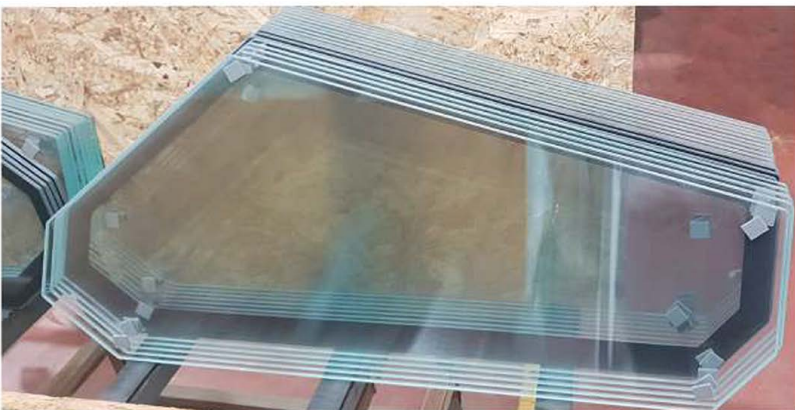
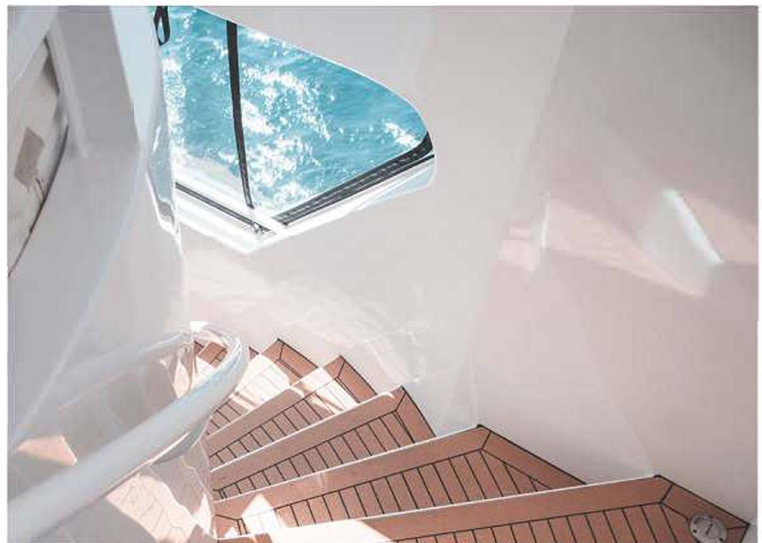
The company's marine windows are made of unique steel and or aluminum profiles that include ballistic armor steel inserts that prevent bullet penetration from every possible angle in accordance with European and other international standards such as EN1522 FB-7, while maintaining a highly aesthetic appearance and maximum clear opening.

G.G. Defense Systems ballistic rated marine windows can be integrated with protection from blast, ballistic and forced-entry combined attempts.

Our company has extensive experience in the incorporation of unique ballistic glass with maximum transparency and long life using unique transparent armor materials.



# Marine Window Applications





# Defense Systems

Force Protection Experts

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