



GUARDIAN is the only floating defensive barrier system independently tested by the United States military and is the only barrier that meets the current performance specifications of the U.S. Navy.


The GUARDIAN retractable defensive barrier is a military grade, dynamic, maritime gate designed to survive the harshest marine environments. The GUARDIAN system can be connected to existing structures or to HALO fixed barriers. Its modular design allows for manual or automatic gate operation, requires less stand-off distance, and less maintenance than all legacy systems currently in-place, and has a life expectancy greater than fifteen (15) years.

#### **GUARDIAN Key Features:**

- Modular Design that provides simplified maintenance and repair. The accordion style structure allows automatic operation in constrained waterways.
- Double-walled Barrier that forms an impassable wall in the water. HALO's proprietary barrier technology transfers kinetic energy of an impact from the barrier, to the water.
- Gate options available in both automatic/remote control and manual modes.
- Bespoke, aesthetically pleasing color options available to blend in with surroundings

All HALO products are capable of integrating oil abatement/containment systems, can support third-party sensors (safety, security and environmental), and are marine mammal and environmentally friendly.



	ORCA - I	ORCA - II	ORCA - III	DEPLOYER	TRITON	GUARDIAN
	EXCLUSION ZONES	JETSKI BARRIER	INDUSTRY STAND.	MOBILE SYSTEM	CUSTOMIZABLE	MAX DEFENSE
	Line Of Demarcation	Light Duty Marine Barriers			Heavy Duty Barriers	Military Grade
<b>SIZE</b>						
Height off water	0.7 m	1.3 m	1.8 m	1.6 m	2.0 m	2.4 m
Width (Beam)	0.7 m	1.9 m	2.7 m	1.6 m	2.5 m	4.4 m
Sectional Length	1.2 m	1.6 m	1.6 m	1.5 m	10.0 m	4.0 m
<b>CAPABILITY</b>						
Max Kinetic Energy	N/A	407 kJ	813 kJ	705 kJ	>813 kJ	> 6,779 kJ
% of Boats Stopped	N/A	95%	99%	99%	99%	99.99%
ASTM F2766-11 KE LEVEL	N/A	LVL A-B	LVL C	LVL C	LVL C-D	LVL F
Suitable Environments	Exposed Harbor	Protected Harbor	Exposed Harbor	Protected Harbor	Offshore	Exposed Harbor
<b>RECOMMENDED DEPLOYMENTS</b>						
Access Control	X	X	X	X	X	X
Manual Marine Gate	Swing	Swing	Swing	Swing	Swing	Swing
Automatic Marine Gate				Retractable	Swing	Retractable
Static Defensive Barrier	X	X	X	X	X	X
Portable Defensive Barrier	X			X		
Price Point	\$	\$\$	\$\$	\$\$\$	\$\$\$	\$\$\$\$
<b>THREAT TYPE</b>						
Kayaks		X	X	X	X	X
Small Watercraft		X	X	X	X	X
Medium Watercraft					X	X
Large Watercraft					X	X
<b>ACCESSORY OPTIONS</b>						
Lights & Signage	X	X	X	X	X	X
Oil Abatement/Containment	X	X	X	X	X	X
Intrusion Detection (Fiber Optic)		X	X	X	X	X
Annunciators (Horns, Lights, etc.)		X	X	X	X	X
Subsurface Marine Netting					X	X

The GUARDIAN RDB can be fully integrated with additional third-party security technology such as: cameras, sonar, radar, lighting, signage, etc.

### Applications:

- Naval Bases
- Shipyards
- High-value Assets
- Critical Infrastructure
  - Nuclear and Other Power Plants
  - Commercial Maritime Ports and Terminals
  - De-salinization Plants
  - Oil & Gas Facilities
- Restricted Waterways
- Security Exclusion Zones
- High-profile Government Facilities
- Special Events and Entertainment Venues

**All HALO systems are available with the following options:**

- Lights & Signage
- Security Cameras
- Intrusion Detection
- Marine Netting
- Annunciators
- Oil Abatement/Containment
- Mooring/Anchoring Options
- Multiple Color Options
- 3rd Party Integrations

**All HALO Protective Security Barriers are Marine Mammal Friendly and Offer a 15-year Nominal Lifespan**