

Maritime Security Booms



Lightweight affordable & adaptable protection



Maritime Arresting Technologies lightweight philosophy

Tasks	Solutions
Identify security zone	Barrier is most effective at determining intent
Deter	Barrier needs to look discouraging
Detect	Intrusions need to be clearly visible
Determine intent	Breaching a barrier shows intent instantly
Delay	Barrier needs to delay the threat until security forces arrive
Respond	

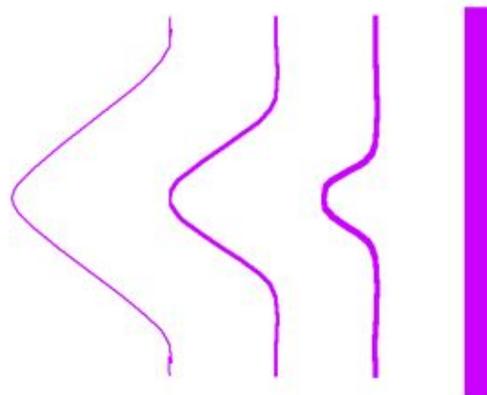
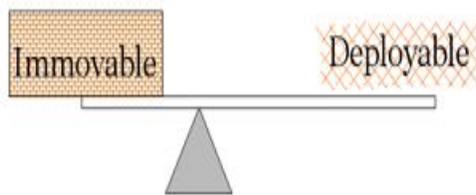
Using the equation $W=Fs$ we can reduce the force needed to stop a threat by increasing the distance used to stop the force.

Combined with the use of modern high strength polymers such as UHMWPE

The result:

Barriers with the same stopping performance as existing Port Security Barriers at a fraction of the size and weight.

WORK = FORCE X DISTANCE MOVED



The more give the system has the lighter it can be.

A smaller system is easy to transport and operate

Requires a minimum of plant and personnel

Description

Maritime Arresting Technologies design and manufacture rapidly deployable lightweight booms.

Available in two versions:

- High-strength three dimensional entanglement nets.
- Floating fences.



Provide “goal line” security

A terror attack is likely to come without notice; only a physical barrier will protect against such a threat.

Protection from Water Borne Improvised Explosive Devices (WBIEDS)

“Use of small vessels as Water Borne Improvised Explosive Device – small, explosive-laden vessels used as “boat bombs” against another vessel, maritime critical infrastructure, or key resources” DHS

Reel mounting

Reel mounted systems are easy to transport as they can be mounted on trailers, boats or shipped in ISO containers.



- The barrier will close off the mouth of a dock in less than 10 minutes
- Requires only 3 people to deploy and requires no fixed infrastructure.
- Reels have their own power supply to quickly retrieve boom when required.

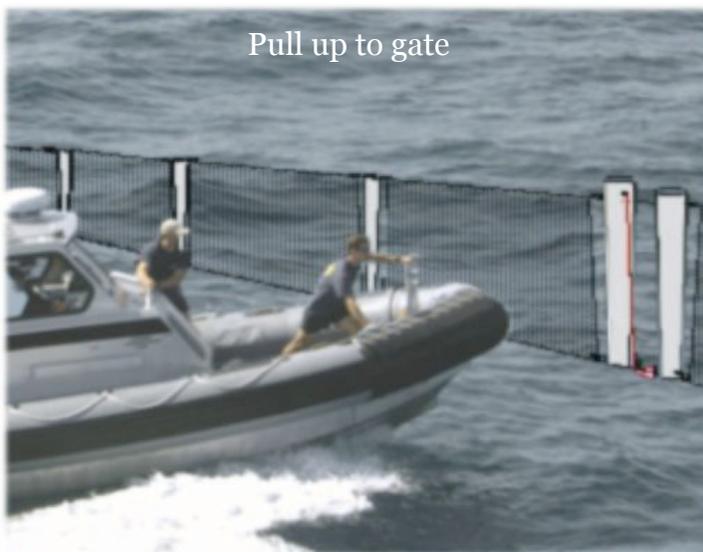


Permanent Floating fence gate operation

When used in a permanent installation Maritime Arresting Technologies floating fences can be fitted with openable gates to allow access.

The modular nature of the floating fence allows any number and size of gates to be fitted.

The gate posts are attached to fixed seabed anchors.



Release tension on rope attached to block and tackle holding fence closed

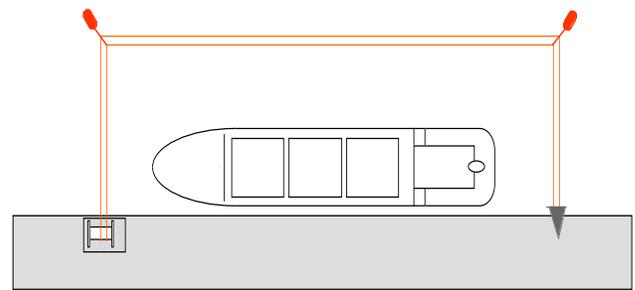
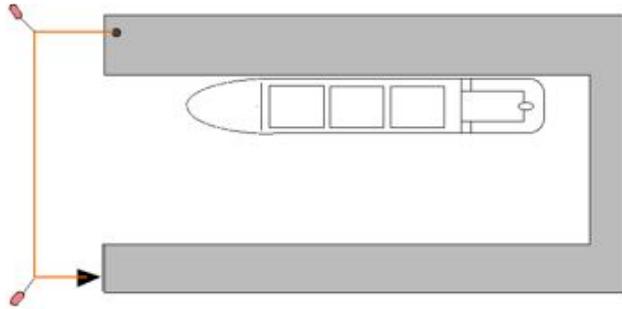


Pull slide up to top of post to allow easy access from patrol boat.
Unclip shackle to open gate .



Tow gate open with boat

Uses



- Barriers provide a clearly defined security zone on the water
- Close off a waterway, dock, wharf or anchorage in minutes.
- Gives instance notice of hostile intent.
- Entanglement net jams propeller of vessels with outboards or I/Os bringing them to a rapid stop.
- Floating fences envelop hostile vessels and pull them to a stop.
- Anchors or station keeping buoys can maintain complex layouts as illustrated above



Stand off systems

Maritime Arresting provide systems that maintain station position regardless of wind, waves and tide.

Uses fixed anchors.



Suitable for providing a security cordon and environmental protection zone around offshore production platforms and single point moorings.



Systems allow for positioning a stand off security cordon giving greater protection from terrorist attack.

Maritime Arresting Technologies lightweight rapidly-deployable booms provide a clear demarcation of a security zone. They will intercept the majority of maritime threats before they have a chance to wreak havoc.



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