

# Marine Protection System - MPS



Anti-Pirate water cannon

**IN LINE WITH  
IMO RECOMMENDATION  
"MSC.1/CIRC. 1334"**



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## The Situation

The oceans have always been our main channel for shipping goods between countries. For as long as we have been trading by sea, pirates and piracy has always been a problem, a problem that still exists today. Many pirate attacks are often carried out within 15 minutes and even if there is Navy nearby, it is often impossible to make it in time.

As one of the worlds leading manufacturer of tank cleaning equipment Scanjet has over the years established a strong bond with our marine customers. We have listened to their wishes and demands and built our equipment to suit.

We have been using water jet technology to clean some of the toughest tanks in the harshest environments for decades, so when we were approached to see if we could adapt our existing technology to be used in the line of defence against the modern day pirate, we were more than prepared to accept the challenge.

## The Solution

In line with IMO recommendations, MSC. 1/Circ. 1334, Scanjet has produced an all new water cannon defence system, a system that will protect all types of ships, their crew and cargo.

How have we done this? Simple, by looking at existing water cannon technology used by police forces and armies around the world, and then taken an in-depth look at our own tank cleaning jet nozzles and merged the two concepts in to a modern, effective and cost efficient pirate defensive system. We call this the Scanjet Marine Protection System - MPS.

In the past water cannon systems performance has been restricted to the size of the water tank behind the cannon, but as an ocean going vessel, lack of water is not an issue for concern. With this problem eliminated the water cannon system can now fully live up to its true potential and keep you safe.

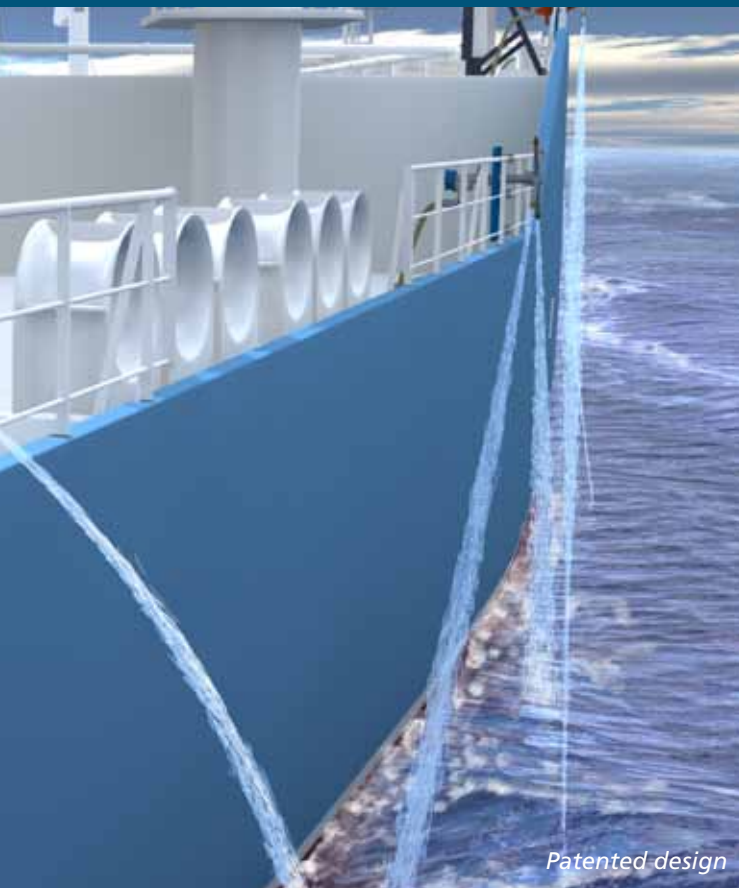


## Automatic protection





*Ideal for sunken deck protection*



*Patented design*

## Key Features

- Protects your crew and ship
- Non provocative, non lethal anti-piracy jet
- Proven system to more than 50 vessels
- No need for manual operation
- Easy mounting without hot work
- Individually adjusted machine length and horizontal position
- Easy removable after use
- Adjustable rotating speed
- 180° optimised downward operation
- Can be combined with barbed wire
- Ideal for sunken deck protection
- Class approval services
- VRC (remote control valves) system can be quoted as option

## Working principle

Once activated, the system requires no further manual operation, allowing the crew if necessary to seek cover in the designated safe zones.

The Anti-pirate water cannons are driven by the pressured water and will remain running until the vessel is safe and the pumps are switched off. The water beam is fully effective, with rotation speed of 4-6 rpm. To optimise the downward pressure of the water, a block has been installed to restrict the water from being projected upwards. The SC 360APR can be installed as either a permanent or portable solution. The SC 360APR requires no chemicals or steam additives - it has no environmental impact.



*Patent pending, PCT/SE2010/050370,*

*Priority date 2009-04-08*

*Patent pending, 1050695-4*

*Priority date 2010-06-24*

*360° rapid rotation, 180° downward coverage*



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## PROJECT PROCEDURE - THE SCANJET WAY

INTEREST

ENGINEERING

SOLUTION

SATISFACTION



Easy mounting with no need for hot works



Adjustable length and angle. Easily removable. 90 degrees free bend



Crude oil tanker with sunken deck design



Very effective jet length



High pressure anti-piracy jet in full scale action



Scanjet Marine AB  
P.O. Box 9316  
SE-400 97 Göteborg  
Sweden

Telephone + 46 31 338 7530  
Telefax + 46 31 338 7540  
E-mail [mps@scanjet.se](mailto:mps@scanjet.se)  
Web [www.scanjet.se](http://www.scanjet.se)

