



# Small Target Surveillance

## SUPERCHARGE YOUR RADAR

Significantly boost the power of your standard X-band radar to detect and track objects as small as a person on the ocean surface.



# RUTTER

See Beyond

OIL & GAS • WORKBOAT • CARGO • CRUISE • FERRIES • SEARCH & RESCUE



# Small Target Surveillance

*sigma S6 Small Target Surveillance (STS) has proven value on offshore platforms, support vessels and in a range of coastal surveillance and monitoring applications. Our install base also includes coastal patrol vessels where the system is used for search & rescue operations and security or applications as diverse as detecting birds, scouting for ice, wildlife monitoring, and lost container detection.*

Here's how **Small Target Surveillance** can add value to your operation:

## CRUISE & YACHT

Monitor for small vessels and navigation hazards to protect both the ship and those navigating waters near the vessel. In the unfortunate event of a search and rescue situation, **Small Target Surveillance** will help locate a person in water for rescue.

## HARBOUR MANAGEMENT

Protect harbour assets with 24/7/365 perimeter security monitoring. Detect unidentified vessels and small, low profile objects that could interrupt operations or damage assets.

## OIL & GAS

Protect personnel and assets with 24/7/365 perimeter security monitoring. Detect unidentified vessels and small, low profile objects that could pose hazards or interrupt operations.

## SEARCH & RESCUE

Monitor for security or navigational hazards. In the unfortunate event of a search and rescue situation, **Small Target Surveillance** will help locate a person in water for rescue.

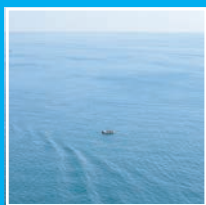
## SEISMIC

Scan ahead of survey routes. Detect hazards that may damage arrays.

## WORKBOAT

Protect personnel and assets with 24/7/365 perimeter security monitoring. Detect unidentified vessels and small, low profile objects that could pose hazards or interrupt operations.

# Early Warning of Potential Threats



**Small Target Surveillance** vastly enhances the capabilities of X-band marine radar to identify and alarm on threats and safety hazards.

Marine Police and Coast Guards leverage the power of **Small Target Surveillance** to identify small crafts and hazards to marine traffic such as disabled vessels, and debris, as well as to monitor piracy, and smuggling operations



Dramatically improve situational awareness with 360° of visibility. In all weather and light conditions. 24/7/365

## DETECTION and TRACKING

Custom target detection and tracking system that when coupled with *sigma S6* imaging and filtering technology find targets that evade standard X-band navigation radars.

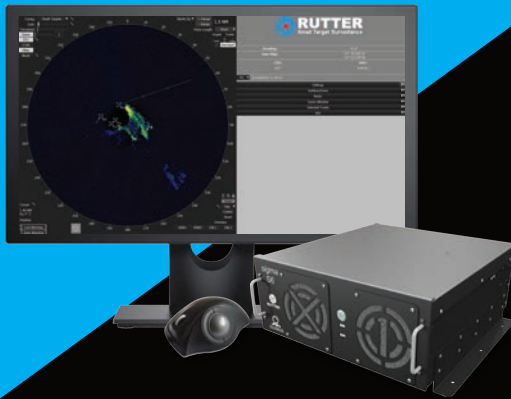


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[rutter.ca/sts](http://rutter.ca/sts)

# Rutter Product Commitment

Since 1998, Rutter has been on the leading edge of radar image processing technology for the global marine sector. For over 20 years, we have helped mariners navigate safely through ice-hazards; detect and respond to oil spills; protect people, assets and coastlines, and conduct ocean-related research. Our commitment to new product development and service delivery is on display every day and we thank you for your continued trust in our people, products and services.



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Current Monitor™

Ice Navigator™

Oil Spill Detection

Small Target Surveillance

WaMoS® II

WaveSignal™

WaveVision™

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