



# Current Monitor™

## MAP LOCAL CURRENTS

Vessels and coastal sites receive real-time high-resolution current information to aid navigation and improve situational awareness.

 **Mackay**  
Marine Electronics &  
Satellite Communications  
[www.mackaymarine.com](http://www.mackaymarine.com)

**Mackay Marine – High Seas**  
+1 281 479 1515 [marinesales@mackaymarine.com](mailto:marinesales@mackaymarine.com)

**Mackay Communications, Satellite Solutions**  
+1 919 850 3100 [satserv@mackaycomm.com](mailto:satserv@mackaycomm.com)

**Mackay Marine Canada**  
+1 902 469 8480 [sales.canada@mackaymarine.com](mailto:sales.canada@mackaymarine.com)

**Mackay Marine Alaska & Pacific Northwest**  
[NWsales@mackaymarine.com](mailto:NWsales@mackaymarine.com) Ballard/SEA, WA +1 206 282 8080  
Dutch Harbor, AK +1 253 922 6260



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# Current Monitor™



*sigma S6 Current Monitor™* is a radar-based monitoring system that delivers ocean surface current data from moving stations and bathymetry from fixed locations with high spatial resolution. This greatly improves the management of marine-based activities such as predicting oil slick drift patterns, enhancing navigational safety, and protecting vulnerable coastlines.

Here's how **Current Monitor™** can add value to your operation:

## **STEWARDSHIP**

Having the ability to see surface currents in real-time and gather bathymetric data up to a 30m depth improves decision-making and planning for coastal marine and terrestrial assets.

Dredging operations, new construction and oceanic science benefits from visually identifying and accurately measuring surface currents within X-band radar coverage.

## **TRAVERSING WATERWAYS**

With advanced situational awareness of surface currents, crews can mitigate the risk of navigating treacherous and challenging waterways.

Up until now, surface current data was the largely unknown when navigating or working at sea. **Current Monitor™** gives navigators valuable insight to improve decision-making.

## **ENTERING AND LEAVING PORT**

Reduce the risk associated with navigating in and around busy harbours and ports.

With **Current Monitor™** navigators can observe surface current action and make decisions and/or corrections to avoid or utilize surface current energy.

## **SCIENCE AND RESEARCH**

Avoid high operational costs associated with in-water sensors for research projects.

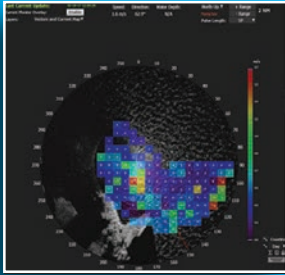
With virtually zero maintenance costs, projects that rely on public/private funding like coastal monitoring or harbour dredging can better manage expenditures.

## **AID OIL CLEAN-UP OPERATIONS**

Pair with *sigma S6* Oil Spill Detection to track oil on water during clean-ups, using valuable surface current information to determine optimal deployment of equipment.

More accurate tracking of oil slicks greatly improves prediction to better contain and clean up spills.

# See What You Might Be Missing



Visualize surface current measurements surrounding your operation at a glance, allowing you to make safe, and more informed decisions.

As a 'bolt-on' to most industry-standard marine radars, **Current Monitor™** gives the user visibility into real-time ocean surface current and bathymetric information to optimize decision-making time.



Either an alternative to in-water systems or as a complement to buoys, **Current Monitor™** requires no costly servicing.

## STAY CURRENT

Day or night, in varied conditions, *sigma S6*

**Current Monitor™** gives mariners assurance in situations where precision and accountability are paramount.

The more you know about your immediate environment, the better.



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[rutter.ca/current-monitor](http://rutter.ca/current-monitor)

# 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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**Os6 Suite**

Current Monitor™  
Ice Navigator™  
Oil Spill Detection  
Small Target Surveillance  
WaMoS® II  
WaveSignal™  
WaveVision™

30 Hallett Crescent • Suite 102 • St. John's • Newfoundland • Canada • A1B 4C5

[sales@rutter.ca](mailto:sales@rutter.ca) • p. +1.709.576.6666 • f. +1.709.576.7635