



**Os6**  
**WaMoS® II**

## WAVES & SURFACE CURRENT

High definition images of wave fields combined with numerical data and intuitive graphical representation, aids in assessing environmental risks and identifying safe operating windows.



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Marine Electronics &  
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# **S6** **WaMoS® II**

*sigma S6 WaMos® II* is a radar-based wave and surface current monitoring system that delivers real-time measurements while a vessel is underway, providing germane data to the local operational area. High definition images of wave fields combined with numerical data and intuitive graphical reporting keep the operator well informed in assessing environmental risk and identifying safe operational windows.

Here's how **WaMoS® II** can add value to your operation:

## **OFFSHORE CONSTRUCTION**

**Having the ability to see wave and surface currents in real-time improves decision-making and planning for offshore coastal marine and terrestrial assets.**

New construction and oceanic science benefits from accurately measuring waves and surface currents within X-band radar coverage.

## **DIVER SUPPORT**

**With advanced situational awareness of wave and surface currents, divers can mitigate the risk associated with subsea operations.**

Up until now, surface current data was the largely unknown when navigating or working at sea. **WaMoS® II** gives dive operators valuable insight to improve decision-making and safety.

## **HELIDECK OPERATIONS**

**Reduce the risk associated with operating from a helideck.**

With **WaMoS® II** helideck managers can observe wave conditions and make better informed decisions and/or corrections to improve safety.

## **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.

## **NAVIGATION**

**Navigate with confidence in extreme currents and sea states.**

Sea state alarms can be set to trigger for: wave height exceeded, peak wave lengths, or as the encounter angle and ship's course moves outside a specific range.

# A 'Dry' Alternative To Buoys



Both as an alternative to or as a backup for buoys, WaMoS®II minimizes maintenance costs often associated with in-water assets.

As a 'bolt-on' to most industry-standard marine radar, WaMoS® II gives the user visibility into real-time wave and surface current information to aid in decision-making.



## SINGLE PANE OF GLASS

WaMoS® II measures and displays all the essential wave field parameters including:

- Significant wave height ( $H_s$ )
- Peak wave period ( $T_p$ )
- Peak wave length ( $\lambda_p$ )
- Peak wave direction ( $\theta_p$ )
- Surface current speed ( $U$ )
- Surface current direction ( $\theta_u$ )

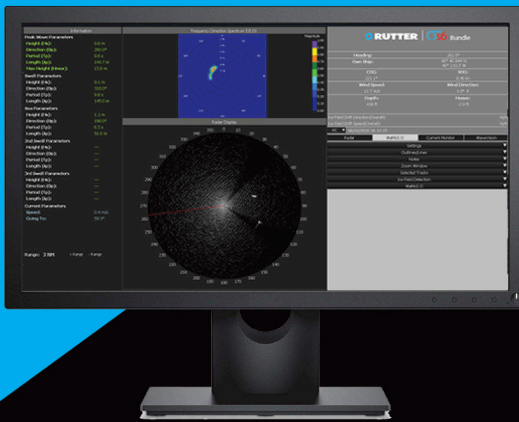


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[rutter.ca/wamos](http://rutter.ca/wamos)

# 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™



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