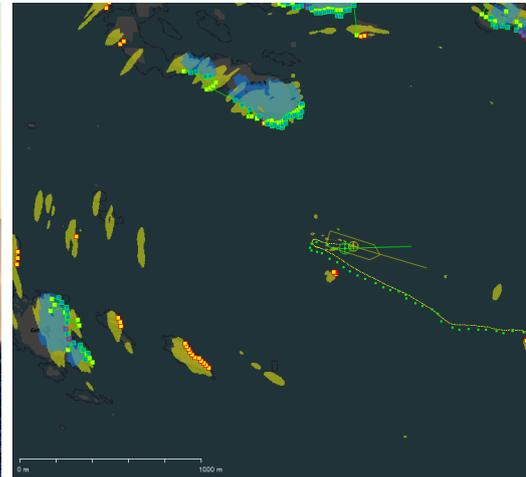


PROTECT YOUR MISSION

A radar video solution to compensate for jammed or spoofed GPS



GPS LOSS IS COSTLY

Reliable GPS is critical to navigation.

In situations where GPS signals are lost, spoofed or jammed the ability to navigate correctly is compromised leading to problems, such as paralysed shipping lanes, collisions and even untraceable piracy incidents. A complete loss of GPS signals can be detected and handled with a backup process, but spoofing the signals, whereby the GPS appears to be present but is erroneous, can guide a platform into trouble.

Despite being illegal, GPS location spoofing or jamming has become accessible to ordinary hackers and is on the rise, affecting many industries from maritime and logistics to the military.

OUR SOLUTION

As it becomes more important to include cyber risk management in ship safety protocols, it is likely that in the coming years protection against spoofing is going to become a matter of regulatory compliance, rather than simply operational risk management.

There are a number of ways to protect your mission and crew from GPS spoofing or jamming, and here at Cambridge Pixel we are developing a radar video solution that:

- Provides a confirmation that the GPS signals being used are correct (or otherwise).
- Offers an alternate method of location reporting when GPS is missing or rejected.

ADVANTAGES

- Solution integrates with your existing equipment; it is configurable for different radar sensors.
- Gives greater confidence of decision-making and mission success.
- Enables operators to tackle the issue as soon as it is identified.
- Ideal for use on unmanned autonomous platforms without 'man in the loop' navigation oversight.
- Saves time and resources expended on mission critical operations.

GET IN TOUCH

Email or call us to discuss how this can be incorporated into your ship or USV-based project.

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