



**Objective.** Bayonet surf zone crawlers a product line of Greensea IQ required a robust zoom 20x high-definition zoom ethernet camera for their Bayonet 150 & 250 tracked surf zone crawler.

Surf Zone Robotics for UXO (Unexploded Ordinance) Survey  
The Bayonet 250 AUGV demonstrates the power and flexibility of OPENSEA to rapidly integrate and deploy a new sensor suite for the task of identifying UXO in the surf zone while showcasing its capabilities.

**Solution.** The Sidus solution for this project was an integrated system composed of the SS464™, SS465™ & SS466™ family of HD PoE Ethernet Color Zoom Video Cameras and the SS182MKII 11000 lumen LED Light. This suite of products excel at providing clarity and detail in high motion and low light conditions employing optimized high definition (HD) technology.



SS464, SS465 & SS466

**High Definition IP Network  
Color Zoom Cameras**



SS182MKII

**DARK SABER – SS182mkII  
LED Light + Laser + Strobe**



**Outcome.** Operating over 8 days and covering 18 square kilometers in depths of up to 10 feet amidst wave heights of 4 to 6 feet in the challenging surf zone, the Bayonet 250 provided a stable and reliable platform for conducting the survey that included a towed sled and equipped SIDUS cameras and lights, which seamlessly integrated into OPENSEA.

The rapid integration of the sensor sled facilitated the detection and classification of objects, with a buried depth of up to 3 meters based on material composition.

