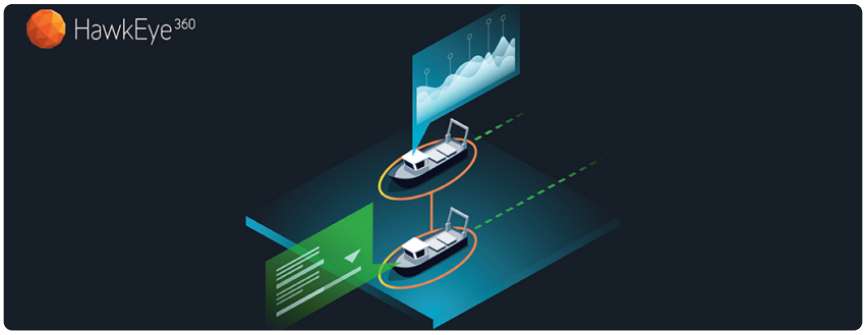

HAWKEYE 360 LEVERAGES MACHINE LEARNING FROM AWS TO OPTIMIZE MARITIME SECURITY AND VESSEL MONITORING CAPABILITIES

April 20, 2021 in Featured 1, Press Release

Purpose-built, proprietary algorithms rapidly derive maritime domain insights from radio frequency and vessel information

Herndon, Virginia (April 20, 2021) — HawkEye 360, the first commercial company to use formation-flying satellites to create a new class of radio frequency (RF) data and analytics, today announced the development of new maritime security and vessel monitoring capabilities that combine HawkEye 360's powerful RF geolocation services with a customized

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underlying vessel characteristics and behavior to predict whether a given vessel is likely to engage in similar activity as sanctioned vessels.

HawkEye 360 used Amazon SageMaker Autopilot — a fully managed service that helps make it easy to build, train and deploy ML models quickly — to develop the purpose-built, proprietary algorithms undergirding the new capabilities. These algorithms can help generate deeper insights into RF data in half the time than was previously possible.

"RF signals can provide valuable insight into commercial vessel activity across the globe, even when bad actors seek to hide their location," said Tim Pavlick, Vice President of Product at HawkEye 360. "With these machine learning-backed capabilities, we will empower customers to cut through an ocean full of noise to obtain more timely and critical insights from maritime RF data to improve mission outcomes and prevent illegal and illicit activities."

The new algorithms evaluate vessels' historical data and known interactions, along with contextual vessel characteristics to generate insights into the complex connections involved in illicit maritime vessel activity, such as illegal fishing, human trafficking, ship-to-ship transfer of illegal goods, smuggling and more. This provides analysts with a holistic view of maritime activity and the ability to detect, predict and zoom in on high-risk activity.

"We are pleased to support HawkEye 360 to quickly develop machine learning models to solve problems

taking place in the vastness of the world's oceans," said Sri Elaprolu, Senior Manager of Amazon Machine Learning Solutions Lab. "By combining HawkEye's data and deep domain expertise with Amazon SageMaker Autopilot, HawkEye 360 is able to cut in half the time for machine learning model development and deployment. That frees up time for their data scientists to focus on creating new and innovative solutions to the world's problems."

This RF signals analysis and machine learning ability can help make the oceans a safe place by supporting a variety of applications, including commercial maritime activity, national security operations, maritime domain awareness, environmental protection and more.

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