

Esri Delivers Improved Operations to Navy Missions with Ocean Data System



Esri, the global leader in spatial analytics, has announced that its technology will be used for the first time with US Navy unmanned vehicle systems to improve how information is gathered before ocean and near-shore operations. Sensor data from maritime remote vehicles is uploaded into a command centre where this information can be understood faster and more holistically than ever before. Esri technology knits Navy data together with structured analysis to enable better decision-making.

Using Esri's enterprise software, the Naval Meteorology and Oceanography Command (NMOC) can now analyze collected data from the ocean such as water temperature, humidity, wind speed, and topography, all in near real-time. Navy commanders can make faster tactical decisions, better incorporating environmental conditions into operational

plans. For instance, before deploying Marines onto a beach in a high-risk area, drones or other unmanned vehicles can perform reconnaissance on environmental conditions and even the presence of hazards such as land mines.

Esri's mapping and analytics allow data captured from unmanned vehicles to be incorporated into the US Navy's enterprise to provide enhanced operational intelligence. Before this innovation, marine measurements had to be done by skilled personnel who were covertly inserted into the field. This could be dangerous and costly. Additionally, the time spent to manually integrate data collected into charts took days to complete.

"The use of Esri's platform represents a huge improvement in the operational impact of data collected by unmanned marine systems," said Dawn Wright, Esri Chief Scientist. "We look forward to delivering critical situational awareness for the US Navy during missions. Never before has ocean-based reconnaissance intelligence been both authoritative and available in near real-time."

To learn more about how Esri helps organizations use data assets more effectively, visit go.esri.com/Navy2017_PR.