Marine Asset Protection

Effectively mitigate risk associated with your marine assets using our effective monitoring and real-time alerting of vessel activity that may impact your infrastructure in the maritime environment.

Powered by our expertise in marine asset monitoring, the PortVision360® Marine Asset Protection enterprise service is designed to protect your portfolio 24/7/365.

» Define the zones of interest.
» Create a VesselZone or “virtual fence” around each of your marine assets, including pipelines, platforms, or other fixed infrastructure.
» Define the encroachment rules.
» Choose to receive a real-time alert every time a vessel’s closest point of approach (CPA) or time to closest point of approach (TCPA) drops below the alert threshold or when a vessel slows or stops within the restricted area.
» Generate an automated alert that can be sent to your operations team and, optionally, the vessel operator, when an encroachment is detected.
» Increase reporting capability and efficiency.
» Use the system’s historical playback and reporting features to support training, compliance, or post-mortem analysis.
Marine Asset Protection
Improve your visibility and response time

Receive real-time alerts of encroachments by any AIS-transmitting vessels and radar targets that do not transmit AIS (automatic identification system).

» Use the service from any computer or mobile device to gather information about the restricted area violator.
» Immediately dispatch field inspectors to mitigate risk to personnel and property.
» Playback the encroachment incident to gain insight, support compliance and training, and hold parties accountable.

Track identified restricted area violators

» Use the service to track violators as they enter or exit restricted areas.
» Generate automated reports that provide information about vessel interaction with restricted areas for recordkeeping.
» Correlate pipeline or other asset damage with unauthorized encroachments.
» Identify all inspected vessels that passed over the damage zone for up to the past five years.

Take advantage of additional services and support

» Shift monitoring duties from red zone areas to Oceaneering’s Asset Monitoring Intelligence Center or (AMIC) to remotely monitor your offshore assets in a centralized location
» Leverage your existing radar systems to fuse radar target with AIS target to create a more comprehensive picture of your operating area

Getting started is easy

» We work with your GIS and mapping teams to upload your pipeline network, platforms, or other assets in the maritime environment into the PortVision360 Marine Asset Protection module.
» Once loaded, we configure the system based on your encroachment criteria to alert your control center of unauthorized encroachments in real time.
» We provide your team the necessary training to derive maximum benefit from the system.