

CASE STUDY



Panama Canal

Synetica have partnered with industrial IoT service provider Sensary to install their enLink Air-X – LoRaWAN Outdoor Air Quality Monitor into the Cocolí, Jose Miguel and Miraflores gates of the Panama Canal to help monitor emissions from passing shipping.

The installation of Synetica’s outdoor air quality monitors comes after the introduction of the Canal’s Green Ship Classification, announced in December 2021. The scheme will see lesser polluting vessels charged reduced tariffs for passing through the waterway in efforts to radically reduce greenhouse gas emissions.

The Panama Canal Authority aims to make the waterway carbon neutral by 2030 and the Green Ship Classification is a key component towards that goal. Aided by the monitoring system connected to a LoRaWAN gateway, Sensary will be gathering data about each ship and its position throughout the canal in real-time. This will allow them to calculate the dispersion of the emissions particular to each vessel as it transits the canal.



CLIENT
Panama Canal

DELIVERABLES
Outdoor Air Quality Monitoring

AWARDS & MENTIONS
• Panama Canal’s Green Ship Classification

Ricaurte Vásquez, the administrator of the Panama Canal commented in a press release issued by the Authority that the Green Ship Classification has been launched: “In recognition of the urgency of climate change and the need to accelerate industry and global climate action.”