

Port of Yamba Pioneers Asset Monitoring via Star2M



“Star2M is really the tool for us. It helps us prevent battery failure and improve overall navigation through the Port of Yamba.”

Christopher Lunnon

Port Officer - Regional
**Port Authority of
 New South Wales**



Number of Assets: 45

Number of Monitored Assets: 17

Started with Star2M: 2021

Previous Solution: None

Product Overview

Application: Lanterns

Date: 2021

Products:

- SL-510 SA (stand alone)
- SL-C510 Self Contained
- SL-C310 SatCom lanterns
- SL-48
- SL-96
- Star2M



Background

Founded in 1995, the Port Authority of New South Wales, is a corporation owned by the State Government of New South Wales, Australia. The Port Authority acts as harbour master at the State's six commercial seaports, managing shipping movements, safety, security and emergency response.

The Port of Yamba is located in the estuary of the Clarence River, on the State's north coast, and is the easternmost port in mainland Australia.

Port of Yamba provides import and export facilities for the region, and it is the home port of NSW's second-largest fishing fleet and supports a vibrant shipbuilding and repair industry.

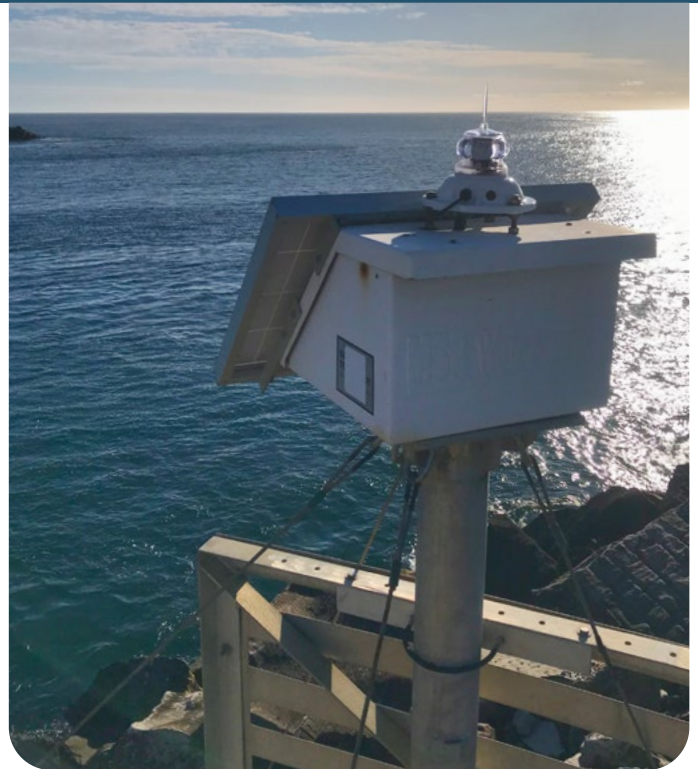
Around 50 commercial vessels visit Port of Yamba each year, overseen by the Newcastle Harbor Master.



Challenge

Port of Yamba operations is controlled by a small team supporting Christopher Lunnon. In early 2021, the team identified the need for monitoring the CAT 1 lanterns while also planning to replace some lanterns coming to end of life. The team identified three primary goals:

1. To enable the operations/operational team to anticipate any due maintenance or battery replacement with a focus on voltage. Currently, as CAT 1, lantern lights must be fixed within 24 hours.
2. Port of Yamba needed to effectively manage batteries replacement to ensure lights performance would not be impacted. Reporting failing batteries while lights are still operational, being a prime example of this.
3. From wild weather to reckless fishermen, they wanted to predict and prevent risks along with the ability to schedule maintenance work and allocate workforce to the job promptly.



Solution

PANSW (Yamba) currently have a total of 17 monitored assets. A combination of SL-510 SA (stand alone), SL-C510 Self Contained, SL-C310 SatCom lanterns and an additional two LED leading lights (SL-48 & SL-96) soon to be upgraded to SatCom.

The SL-C510 is the first small form factor 5-9NM lantern in the mid-range space incorporating two-way global satellite technology, OLED display, Bluetooth® connectivity and exclusive monitoring and control options via the Iridium® satellite network

The SL-C310 series are robust, completely self-contained 3-5NM+ Solar LED Lantern marine lanterns. They are designed to be maintenance-free, installed in minutes, and have a service life of over 15 years

Outcome

Port of Yamba have pioneered monitoring and control by selecting Satellite connectivity through Star2M, to enable them to bring the management of all their marine assets together into a single hub. From Star2M they can control and monitor their assets as well as manage the maintenance scheduling and reporting from one single platform. Star2M gives them the ability to manage the entire asset management life-cycle.



How Does Star2M Work?

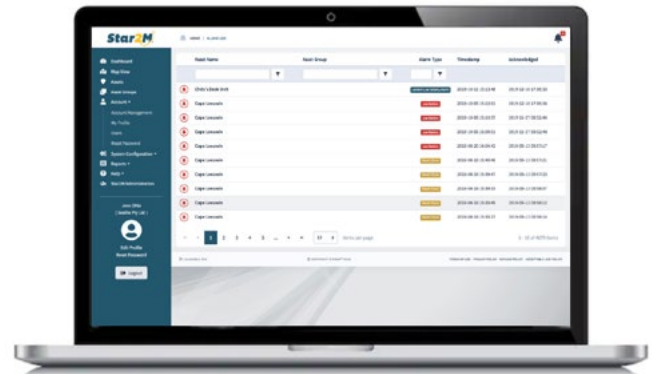
The Star2M platform brings all of your assets together into a single hub.

It utilizes military-grade AES-256 encryption in conjunction with high integrity, long term data archives.

Star2M works in two ways:

- By IOT and connecting your assets (such as obstruction lights and marine lanterns) digitally to the portal. This allows the user to monitor and control their assets to suit their operational needs.
- By recording asset data and asset conditions directly into the platform via the web portal or mobile App.

This allows the user to perform key tasks such as planning, tracking and scheduling to support optimal asset performance.



The Star2M Portal is available via any internet connected tablet, cell phone or PC. The Star2M Application is also available for iOS and Android smartphone devices.

Operating as a subscription service, Star2M is powered by Iridium®, the Low Earth Orbit Global Satellite service company. It offers pole-to-pole coverage, anywhere, anytime.



Want to Learn More?

For further information on how Star2M can help your business, visit our website star2m.com.

Alternatively, you can contact one of our representatives using the details below.



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