Swanbank and New Chum Weather and Air Quality Monitoring User Guide

Welcome to Omnis

Welcome to Omnis, an online platform by Envirosuite where you can view close to real- time and historical data across the greater Swanbank and New Chum area. Omnis connects to various weather stations and air quality monitoring systems and uses built-in models and analytics to make complex data easy to understand.

This guide has two main goals:

- To help you get familiar with Omnis software deployed by the Queensland Government's Department of the Environment, Tourism, Science, and Innovation (the department) so you can start using it effectively.

- To help you use Omnis to understand air quality monitoring at any time.

Weather and air quality monitoring:

'What is the data showing today? What did the data show yesterday?'

The Environmental Monitoring screen helps users understand data being collected by sensors across the network. Here's how it benefits you:

- It allows automatic collection, storage, and reporting of weather and air quality data for you to view at any time. You can go back to any time (Day, Hour and Minute) to view historical data.

- It gives close to real-time data and insights from monitoring.

With these tools, you can easily stay informed of weather and air quality conditions and better understand local odours that may be impacting you.

Measurement Groups

Allows selection of a parameter of interest. All stations monitoring this parameter will be shown.
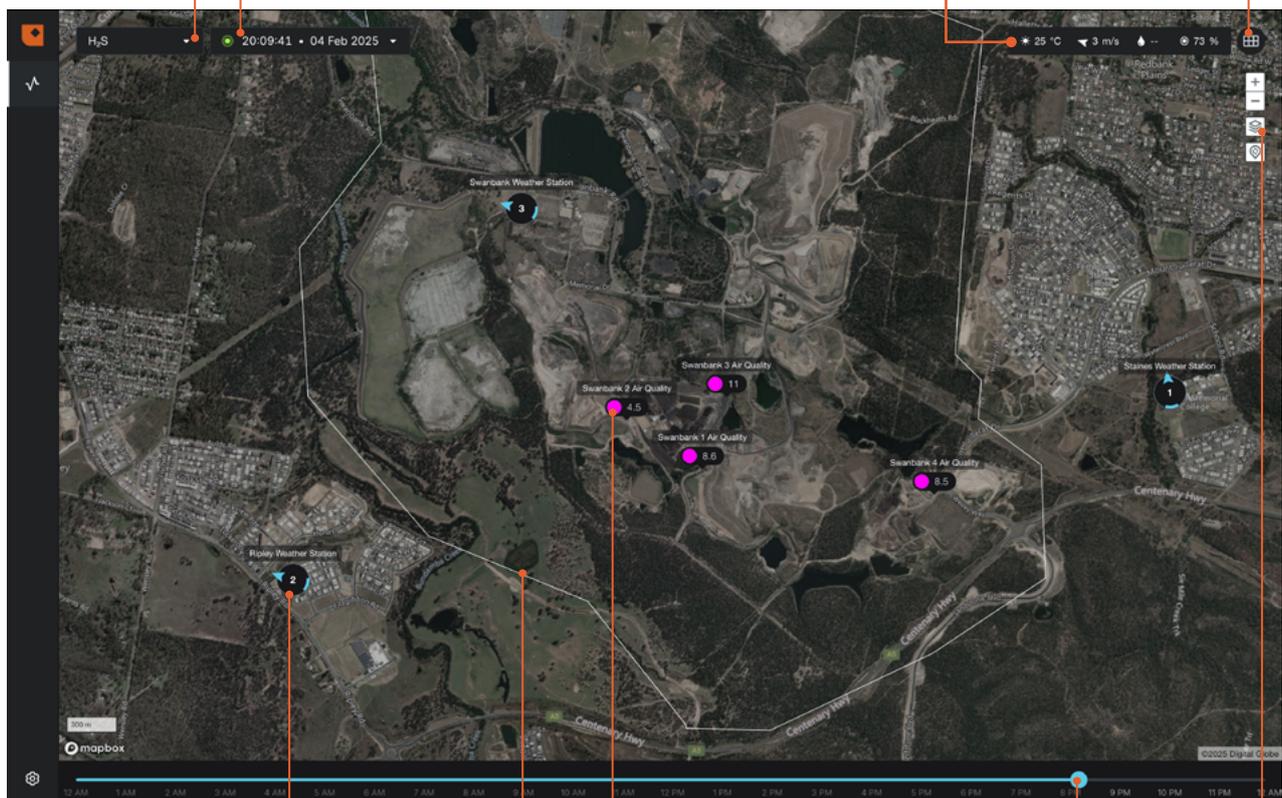
Calendar Navigator

Use to view past data for any period. Pulsing green dot indicates live data. Amber dot indicates historical data is being displayed

Live Weather Data Quick Viewer

Shows close to real-time weather data includine temperature, wind speed and direction, rainfall and humidity. Click to change station data.

Grid View/ Map View

Click to view data in grid view. Click again to return to map view.

Weather Station

Provides weather data. Click for details; wind speed and direction.

Swanbank Industrial Area

Area shown by white boundary.

Air quality Monitors

Click to view close to real-time monitoring data. Click on multiple monitors to compare data between monitors based on 'measurement groups'.

Timeline

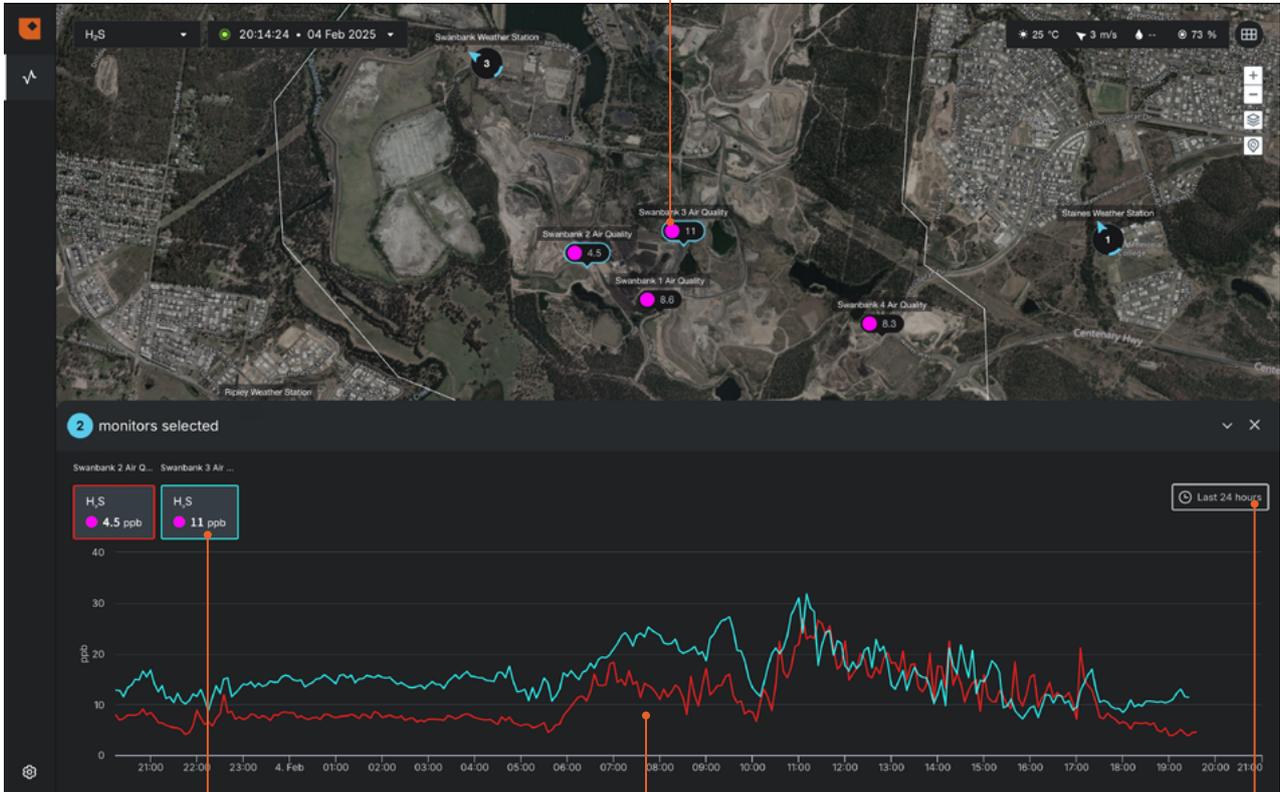Click and drag to view data at different times during the date selected.

Map Tools

Use to change map overlays and map zoom.

Omnis also allows you to analyse data being collected in close to real-time while also understanding any events that may have occurred in the past.

Interactive features

Click on a monitor or weather station icons to view data recorded at that station.

Select Parameters

Click on one or multiple parameters to display data.

Data Analysis

Displays data from selected monitors, viewable from the past hour back. You can compare multiple monitors here by selecting them.

Data Analysis Time Period

Click to change time period shown in data analysis graph. Time period can range from 'last hour' to 'last 7 days'.

FAQs
Monitoring with Omnis

What does Omnis monitor?

Omnis tracks close to real-time data on air quality, emissions, weather conditions, and other environmental factors around the area.

How does this monitoring benefit the community?

Monitoring allows the community to better understand the weather condition and any potential emissions in the area.

How often is the data updated?

The data in Omnis is updated every 5 minutes, giving you the most current information about weather and air quality conditions around the area.

Is there a mobile app for this system? Can I access it on my mobile device?

Omnis is a web-based software which is accessible on any device including computers and mobile devices.

How far back does the historical data go?

All historic data is stored in Omnis. It is possible to view all data since the monitors were installed.

Do I need to create an account or log in to use the platform?

Omnis does not require an account or log-in details. Anyone can access Omnis to view the data.

Does this platform collect any personal information?

No personal information is collected from anyone using the platform

Monitoring in Omnis helps keep you informed and enables a proactive approach to environmental management.

If you have any questions or difficulty accessing information, or would like to report an error please contact:

swanbank@des.qld.gov.au.