



## Resource recovery & landfill sites – Australian Standard Weather Station with Realtime Data

### Customer Requirements

The client required a solar-powered Australian Standards Weather Station. The system needed to seamlessly transmit data to the onsite treatment plant PLC, contributing to the effective management of environmental factors such as Dust, Odour, harmful gases, and Leachates. Compliance with government regulations.

### Challenges

Primary challenges included cybersecurity risks associated with data handling and ensuring alignment with the stringent requirements imposed by the NSW Council.

### Solution

Delivered and installed a TES Australian Standard Weather Station. This solar-powered solution seamlessly transmits data to the treatment plant PLC onsite. Importantly, the installation and provision were managed by Trelia Data, ensuring compliance and robust cybersecurity measures

### Case Study Summary

- Application: Australian Standards weather station
- Solution: Thomson Environmental Systems Australian Standard Weather Station
- Facility type: Waste and Resource Recovery Park. The weather station was in a fenced-off grass/dirt area.
- Outcome: Successfully installed the Australian Standard Weather Station and access to real-time data.
- Location: Kembla Grange, NSW Australia.

### Value to Client

Post-successful installation and commissioning, the client gained significant value, allowing them to:

- Proactively manage and mitigate environmental impacts in real time.
- Utilise historical data and reporting features facilitated by Trelia for comprehensive quarterly and annual reports.