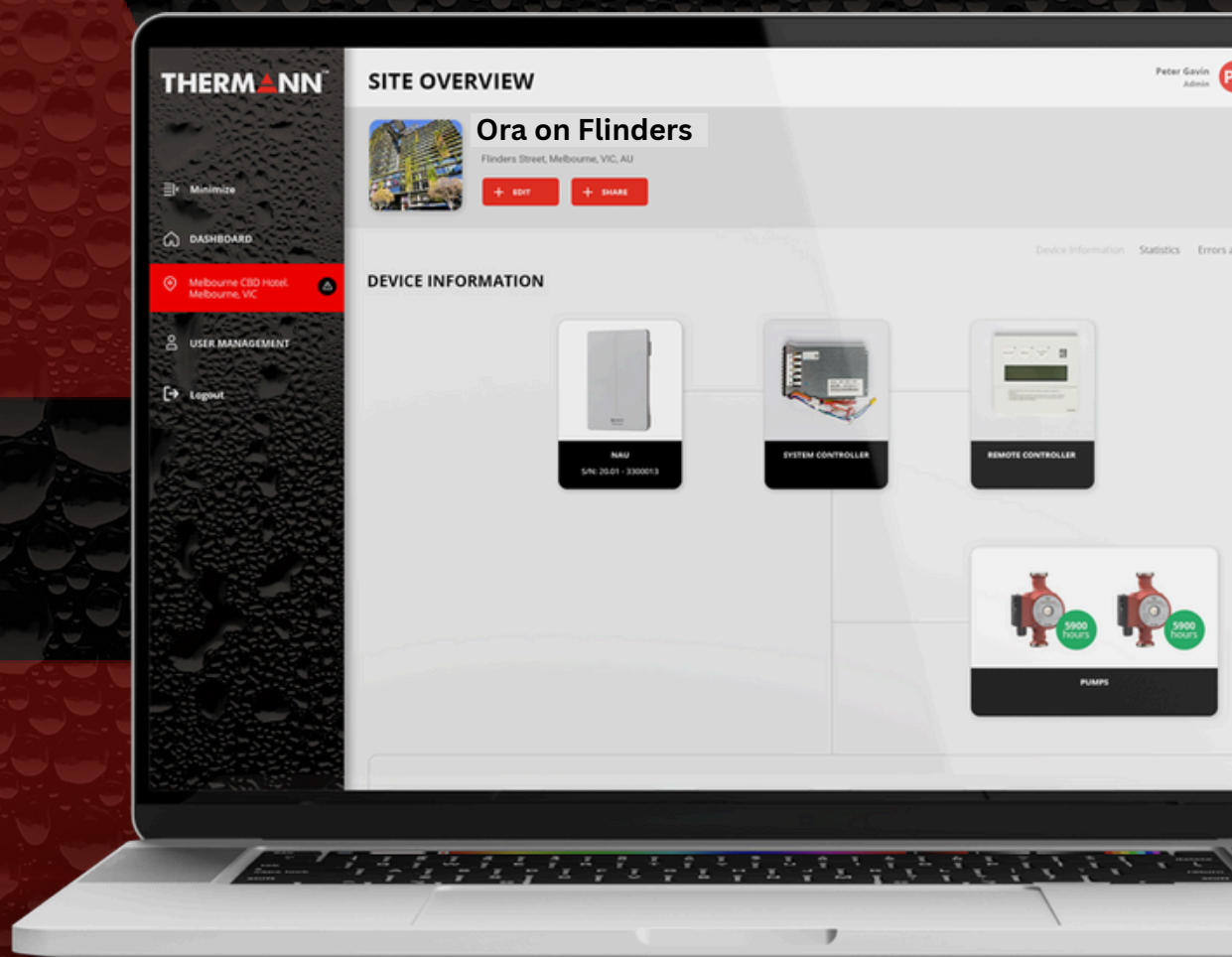


# THERMANN™

# 24/7 REMOTE MONITORING SYSTEM

Fix a problem before there's a problem.



Connected to the internet, the Thermann IoT system is always monitoring the operational status of your commercial continuous flow water heater system.



# COMMUNICATION DEVICE

The IoT system incorporates a communication device that connects to your Thermann Commercial continuous flow hot water plant and monitors in real time the operational status of the system.

Via an ethernet (LAN) connection with Dynamic IP or a 4G SIM connection, the communication device will initiate either an email or SMS communication to a registered authorised party for any system error. The error will be coded to allow easy diagnosis.

This system provides 24 hour, 7 days a week monitoring, giving you complete peace of mind and advance knowledge of any potential plant issue. This provides the ability to react quickly and organise repairs to avoid downtime.



- Any system errors can be sent to multiple authorised parties via email or SMS
- Message details identify site name & error code
- Plug and Play integrates with system controller & the Thermann Back2Base monitoring platform
- Includes 5 years of 24 hour / 7 days a week monitoring
- Can be used on new and existing Thermann commercial continuous flow installations
- Hardware suitable for 4G connection includes a weatherproof box (IP67), a 4G modem (excluding SIM), communication device & power and system connection leads (code CF99005)
- Option for LAN connections also available

## SEAMLESS REDUNDANCY

In conjunction with smarts found in Thermann Commercial hot water systems, connection to the IoT system offers true seamless redundancy.

Even when you have a system configured with multiple continuous flow units, some units within the manifold may have failed, leaving your hot water supply compromised

With the IoT system, you will be notified immediately of any system performance error including the likely cause, giving you the opportunity to fix it before it becomes a problem.

This maintains the integrity of the hot water plant sized for your application and provides seamless redundancy.

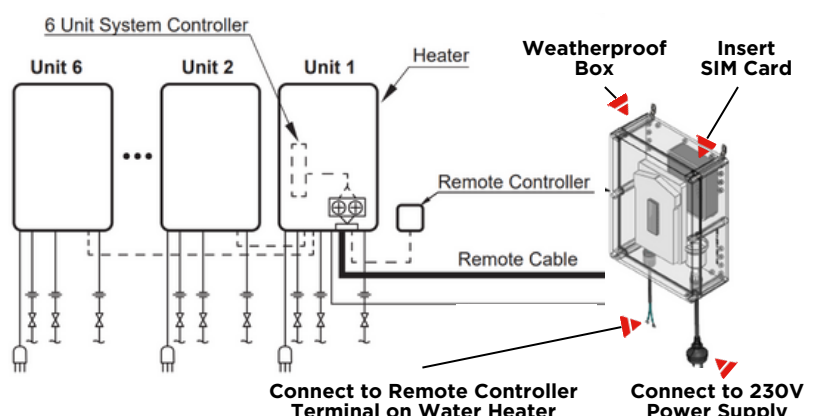
## COMPONENTS & CONNECTION FOR IOT

### ▲ Option 1: 4G boxed assembly (CF99005)

- Communications device
- Weatherproof box
- Wi-Fi modem (SIM not supplied)
- Power lead
- System connection lead
- 5 year monitoring

### ▲ Option 2: LAN connection (NAU2LAN5)

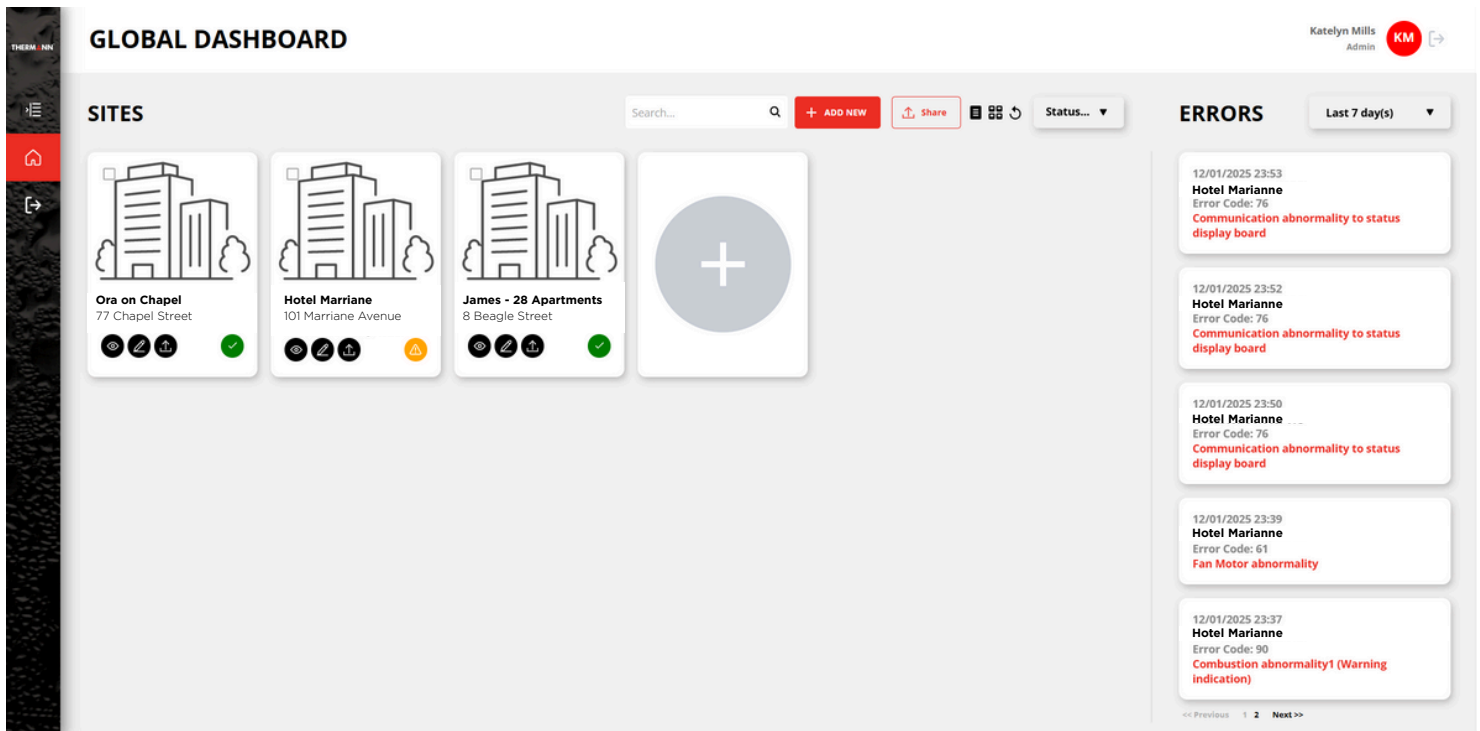
- Communications device
- System connection lead
- 5 year monitoring



# THERMANN BACK2BASE IOT MONITORING PROGRAM

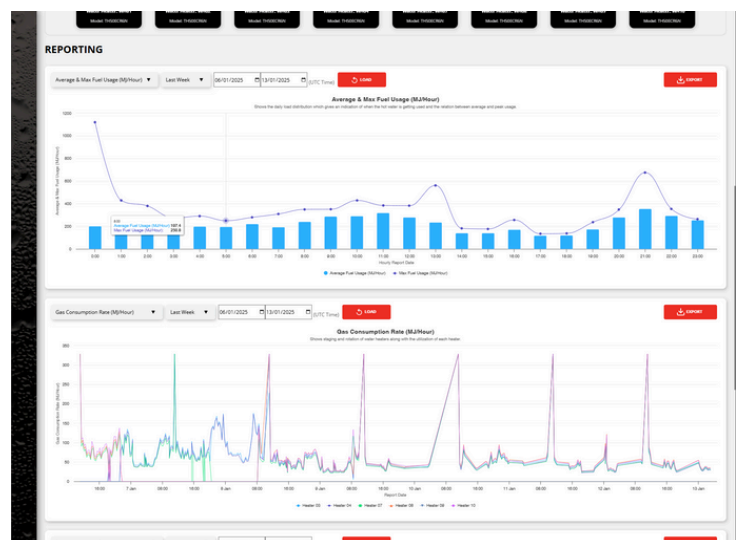
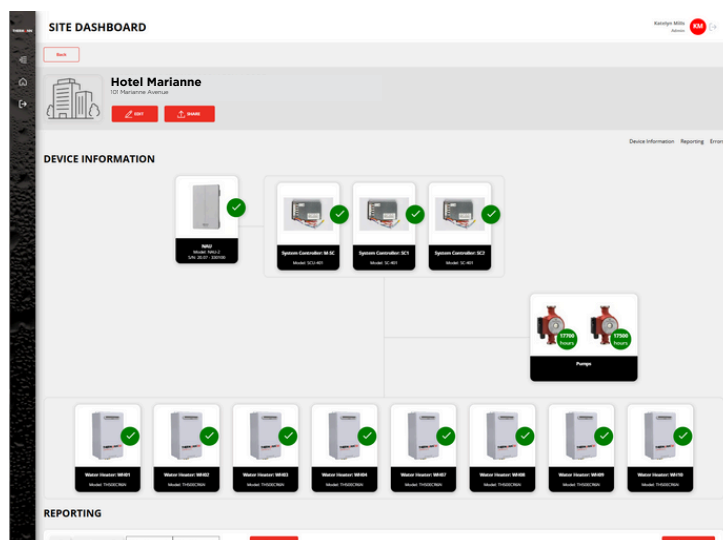
Designed to be used in conjunction with the IoT monitoring system, the Back2Base web portal enables customers to register and monitor the activity of their Thermann Commercial gas water heater system.

Customers can log in remotely and view the status of the plant, check everything is online, identify any issues, and even get performance intel about the operation of the hot water plant.



- ▲ See sites registered on the Global Dashboard
- ▲ Easily see status of site system components; a green tick for online, or a red cross for offline
- ▲ Share sites to other members in the team
- ▲ Add new or delete sites as required
- ▲ View device information by site, which includes the components of the system

- ▲ Users can choose to see the errors for any site up to the last three months. Results can also be filtered by weekly and monthly time frames or by system status; OK, warning, or error
- ▲ Ability to export error data
- ▲ Access site reporting to view multiple consumption information such as Gas Consumption, Average & Max Fuel Usage







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