



EQUIPRO

FIRE SAFETY PRODUCTS & SOLUTIONS

Consulting - Continuity - Control

FIREM



FIREM Overview

FireM is an IoT enabled, Remote Fire Monitoring device that can be easily interfaced to any brand/model of Fire Indicator Panel.

Through FireM, data from the fire panel is securely transmitted in real-time to the cloud for access via our Web Portal or Mobile Applications, on demand at any time.



Reduce on-site response time

Through our interface with building block-plans, on-site responders will know exactly where the fire event is located



Reduce re-active maintenance

FireM data provides transparency on problematic devices enabling contractors to pro-actively identify what work needs to be completed before attending site



Improve predictive maintenance

Given the data from FireM is retained infinitely, operators can review historical data to better predict upcoming maintenance on assets



Reduce corporate risk

FireM provides transparency on contractor testing so you can be sure this is being completed as per Australian Standards



Reduce costly brigade call-outs

FireM data provides insights into "non-latching" alarms allowing on-site responders to attend and prevent a full latching alarm occurring



Reduce asset damage in the event of a fire

By reducing your on-site response time you have a better chance at reducing the damage to your asset if safe to do so

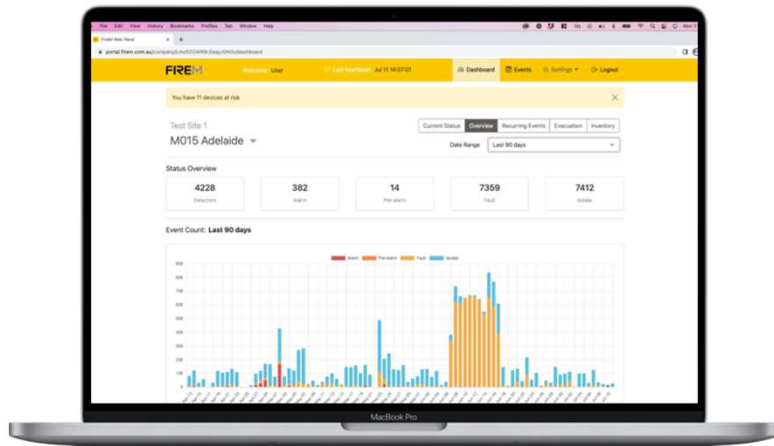
- FireM utilises IOT technology to interface with any fire indicator panel. **Agnostic Industry Solution.**
- FireM provides real-time remote monitoring of active alarms, isolations, pre-alarms, and faults.
- FireM extracts information from the fire indicator panel and clearly displays data on 2 platforms:
 - Mobile App
 - Cloud Server
- Building Block plans are loaded into the FireM system, and all active devices are mapped for fast and accurate interrogation. **Visualizing Event & Location.**
- FireM retains data for life, providing significant reporting and intuitive asset insights. Without FireM, the fire indicator panel loses its data after a 30-day period. **Historical Data Collection.**
- FireM typically operates as a standalone solution with in-built sim card. It can be connected to a site ethernet network if desired/required.
- Any building that has a Fire Indicator Panel can benefit from FireM. **Multiple Stakeholders.**
- FireM can also be interfaced to security and building management systems. **Embedded Software Solution.**



FireM Solution, End to End



FIREM End to End Solution



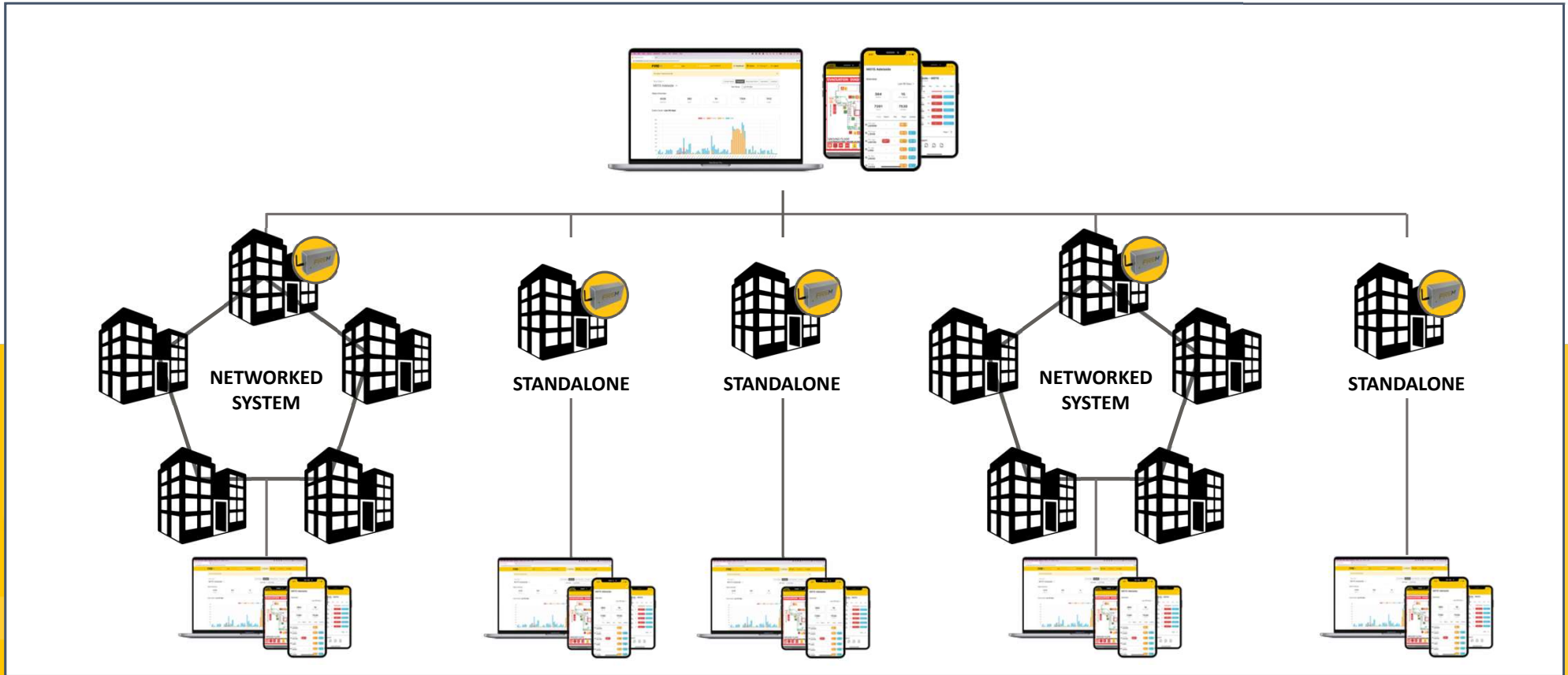
N	N	N	N	Normal
A	N	N	N	Alarm
N	P	N	N	Pre-Alarm
N	N	F	N	Fault
N	N	N	I	Isolate
?	?	?	?	Unknown

A	Alarm	P	Pre-Alarm	F	Fault	I	Isolated
N	Normal	?	Unknown				

FIREM Notification Types

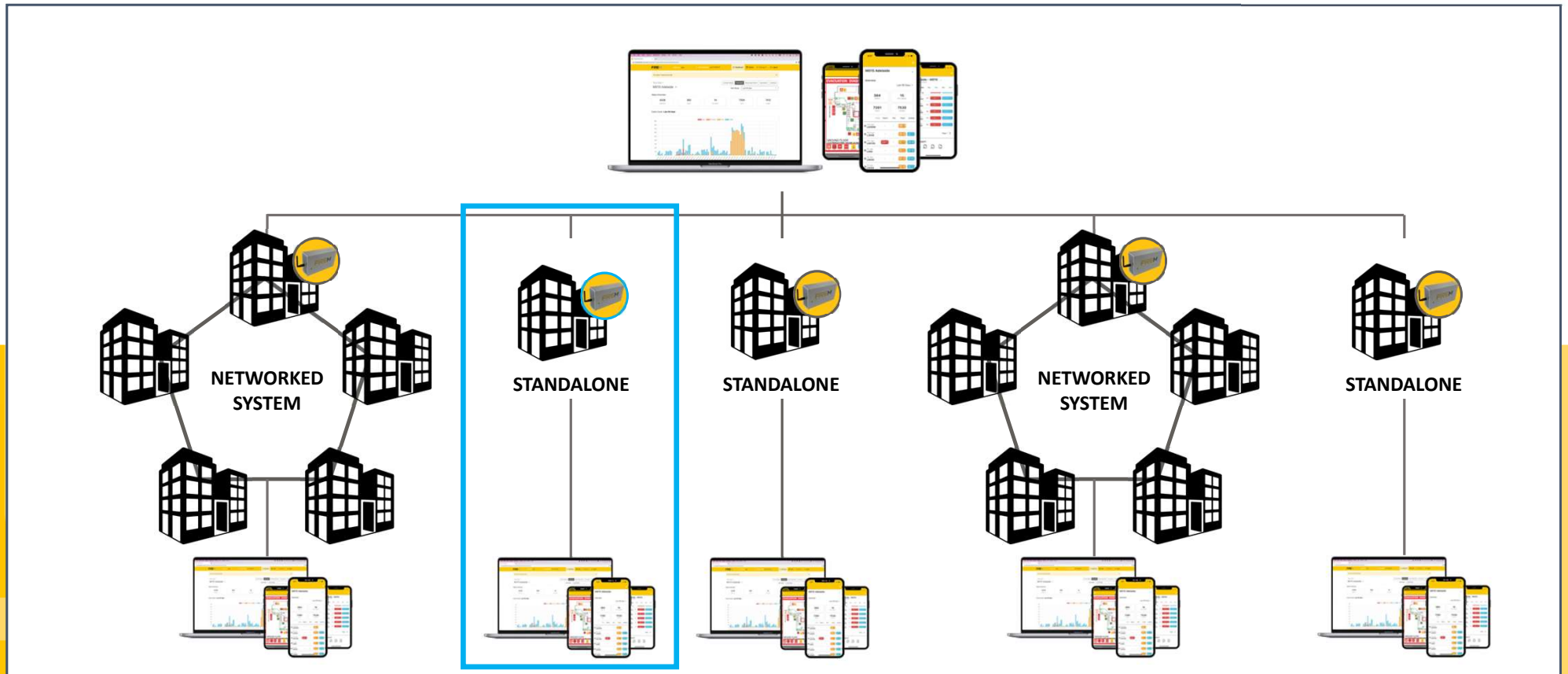


FIREM Architectures



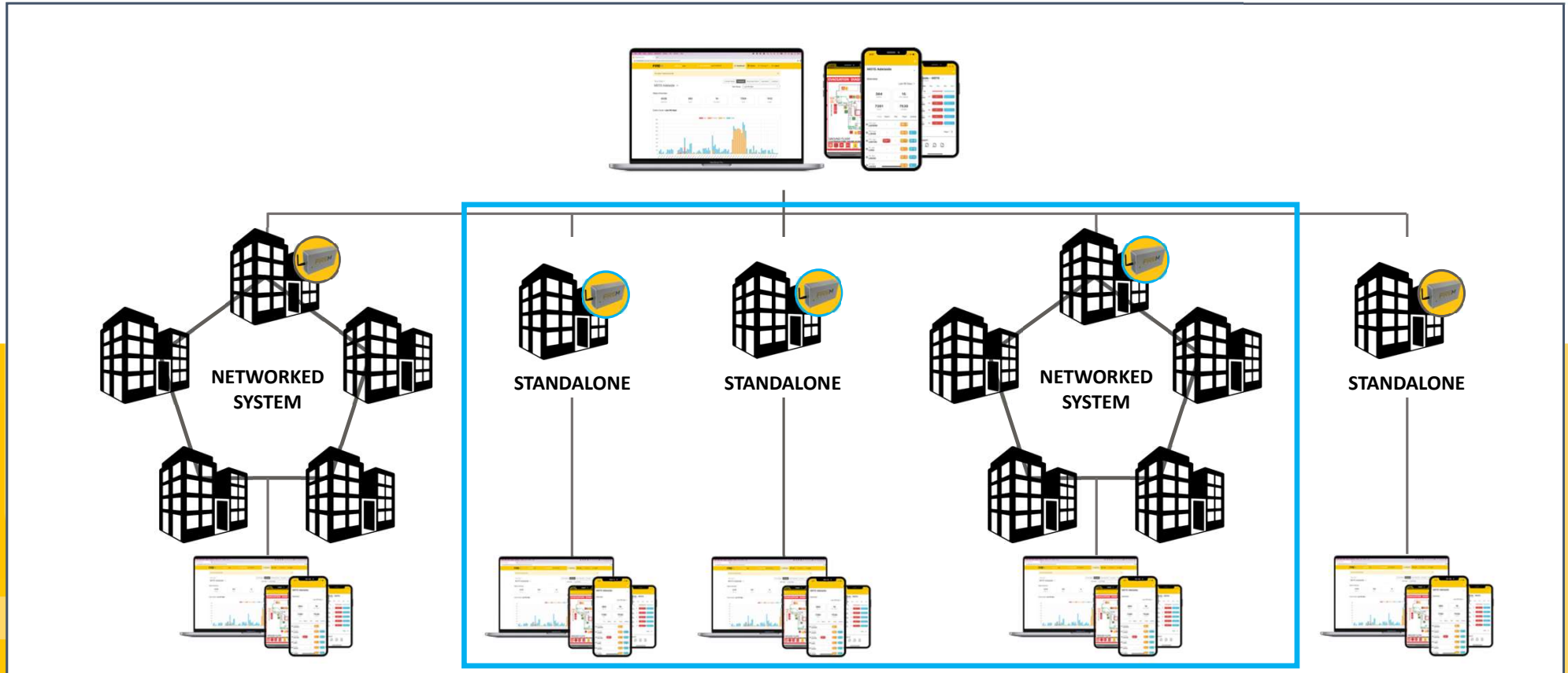
FIREM Deployment By Design

Configure FireM access for 'a single site'



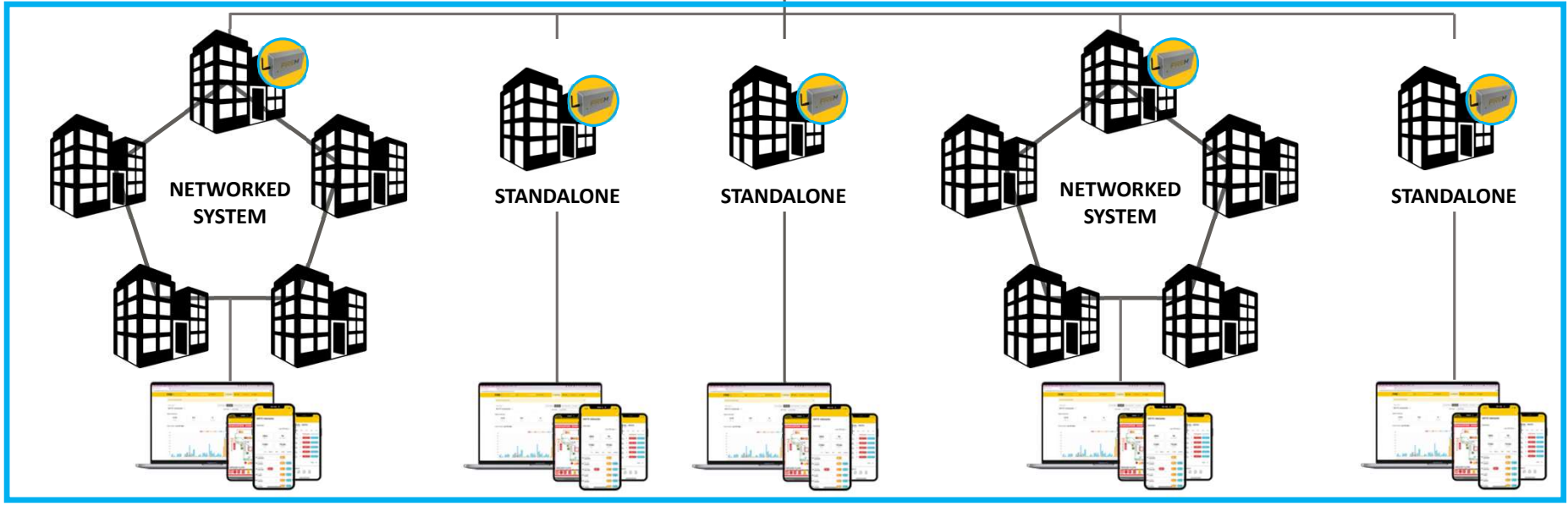
FIREM Deployment By Design

Configure FireM access for 'a group of sites'



FIREM Deployment By Design

Configure FireM access for 'ALL sites'



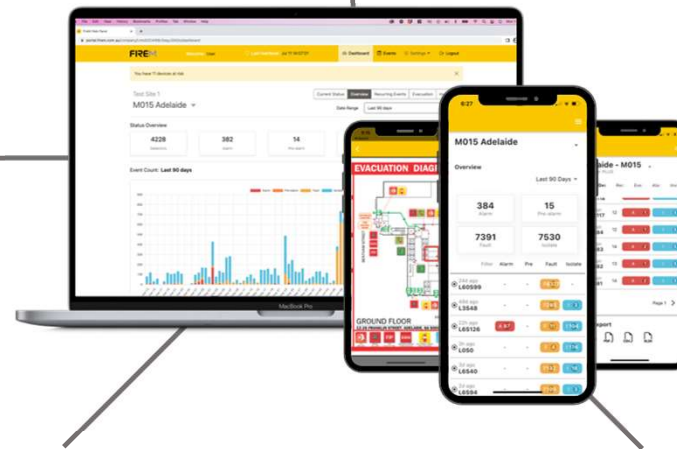
FIREM Deployment By Design



FIREM Overview

FireM is **accessible via any piece of glass** with internet connectivity - WebPortal, Mobile Phone or Tablet.

Accessing the **Enriched Fire Panel Data** FireM provides greater insights of your Fire Systems site operations. Historical and live information status keeping you informed and connected.



Push Notifications keeps your finger on the pulse and able to react when required inline with real-time event occurrences. Embedded SMS fallback, you'll be sure to get notified when events occur onsite.

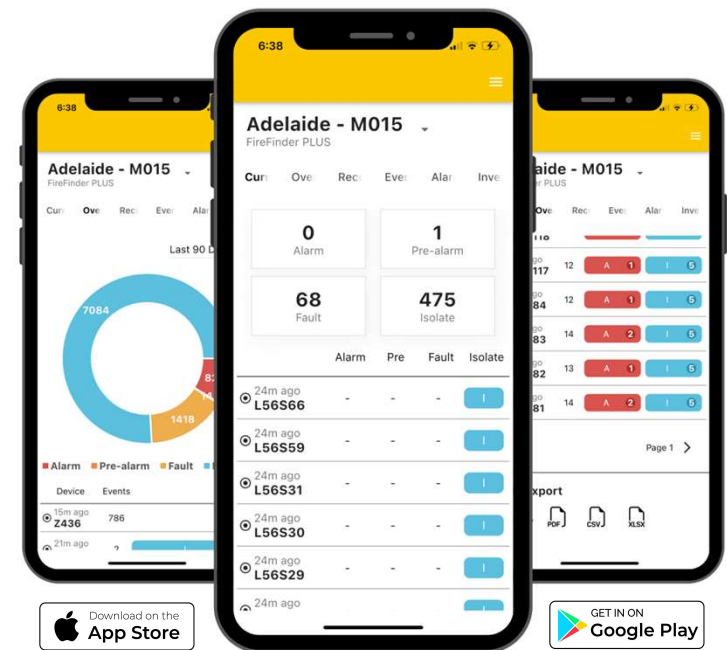
The FireM **Cloud based Solution** provides very little upfront cost or installation complexities. Also creating an ease of keeping your system up to date with the latest software version.

Map Devices for location Information on alarm notifications. Location information provides real-time decision makings for either response to event or a planned evacuation strategy away from the alarmed event.

FireM Mobile App

The **FireM Responder App** (supported on iOS or Android devices) allows all active users to be notified of any/all events **in real-time**, allowing for fast, informed decision making and risk management.

- Alarms (including pre-alarms and sprinkler pumps)
- Isolations
- Faults/Tampers
- Tests
- Building Mapping with targeted fault display
- *Fire doors left open*
- *Fire Door Monitoring*
- *Fire Extinguisher Monitoring*
- *Wet Fire System Monitoring*



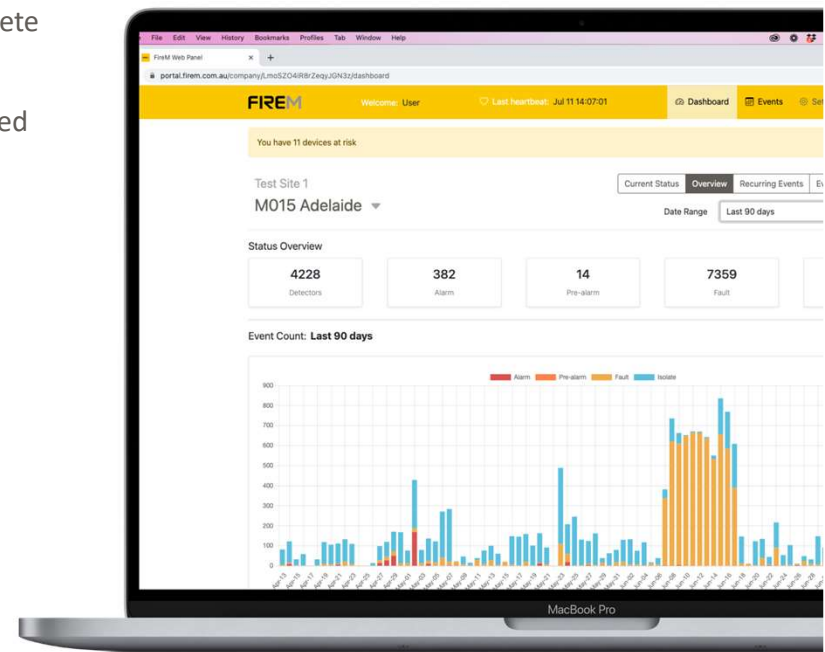
FireM WebPortal

Our **FireM Web Portal** includes lifetime data retention and provides complete transparency on all fire system events.

- Apply custom filters using our reporting dashboard to download detailed event data for compliance purposes.
- High level dashboards
 - Current device status
 - Historical events
 - Recurring events
- Intuitive reporting engine
 - Downloadable to PDF, XLX and CSV
- Ability to custom create event filters
 - Only notify certain users of events related to their area.
 - Only notify certain users of specific events (Alarms, Fault etc.)

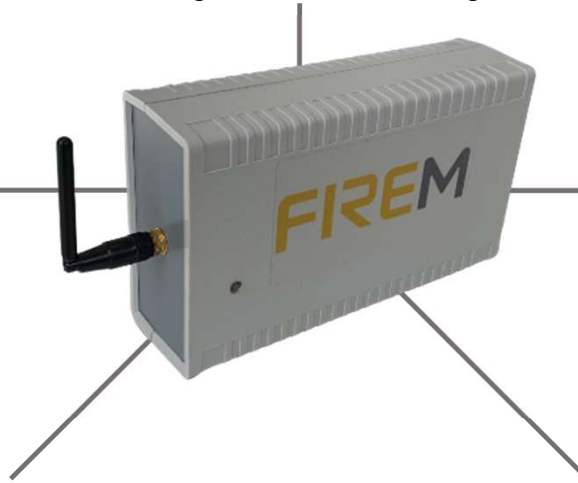
Data is King: Access to FireM data allows:

- Independent verification of costs
- Immediate actions to be taken to remediate non-compliance
- Executive risk mitigation



Any Fire Panel, Anywhere, Anytime.
The FireM Edge Server is 100% Panel Agnostic.

FireM is **Australian Made, Owned and Operated.**
A solution for the globe supporting local.



The FireM Edge Server is **Cyber Secure.**
Distinctly by design, one-way direction of data
from Fire Panel to FireM Edge Server.

The design of FireM Edge Server was consciously
focused on the **Easy Installation Process.**
Install, Commission and Handover all in one day.

Embracing the Future, FireM Edge Server is
connected to the national
CAT M1 / LTE M Network via local Telco

FIREM Hardware At A Glance

FireM Edge Server

POWER REQUIREMENTS	24VDC / 5W
OPERATING TEMPERATURE	0 to 40 °C
STORAGE TEMPERATURE	-25 to 70 °C
HUMIDITY	10 to 90% relative
LED INDICATORS	Power On
FIP INTERFACE	RS232 + RS485, DB9 Serial Port
DIMENSIONS	H 50mm x W 95mm x D 190mm
UNIT WEIGHT	280G
CASING MATERIAL	High Impact ABS





FIREM Features and Benefits



Better data, equals better business decisions.

Benefits of Digital Transformation

- Reduce Costs
- Improve Product and Service Quality
- Improve Time-to-Market
- Drive Growth
- Improve Customer Experience
- Enhance Company Culture
- Drive Sustainability Efforts
- Improve Collaboration Within and Across Roles / Functions
- Improve Compliance
- Make Data-Driven Decisions



Better data, equals better business decisions.

Easy Deployment, Easy to Access

Embracing IoT Technology, FireM installation footprint is minimal and a highly cost-effective method embracing software solutions against traditional software requirements. A fast install time, means a quicker time to being connected.

FireM avoids;

- IT infrastructure requirements onsite,
- IT Compliance Complexities

FireM embraces;

- Secure Encrypted Data Transmissions
- One way Data Traffic (cannot send data to Fire Panel)
- Remote Network connectivity away from corporate systems



End Users

- Health and Status of Fire System
- Indefinite capture and Storage of Fire Panel Data
- Reduced Onsite Response Times
- Asset / Device Inventory
- Real time notifications
- Block Plan Mapping
 - Event driven visualisation
 - Safe Egress Visibility
- Reduced reliance on;
 - Radios,
 - Pagers, &
 - Warden Intercoms



Facility Managers

- Health and Status of Fire System
- Indefinite capture and Storage of Fire Panel Data
- Reduced Onsite Response Times
- Asset / Device Inventory
- Real time notifications
- Block Plan Mapping
 - Event driven visualisation
 - Safe Egress Visibility
- Single Software Solution
 - Management Insights
 - Multiple Site Access



Channel Partners

- Health and Status of Fire System
- Indefinite capture and Storage of Fire Panel Data
- Reduced Onsite Response Times
- Asset / Device Inventory
- Real time notifications
- Block Plan Mapping
 - Event driven visualisation
 - Safe Egress Visibility
- Single Software Solution
 - Management Insights
 - Multiple Site Access
- Streamlining Maintenance / Servicing
 - Greater Efficiency
 - Higher Productivity



FIREMSupport



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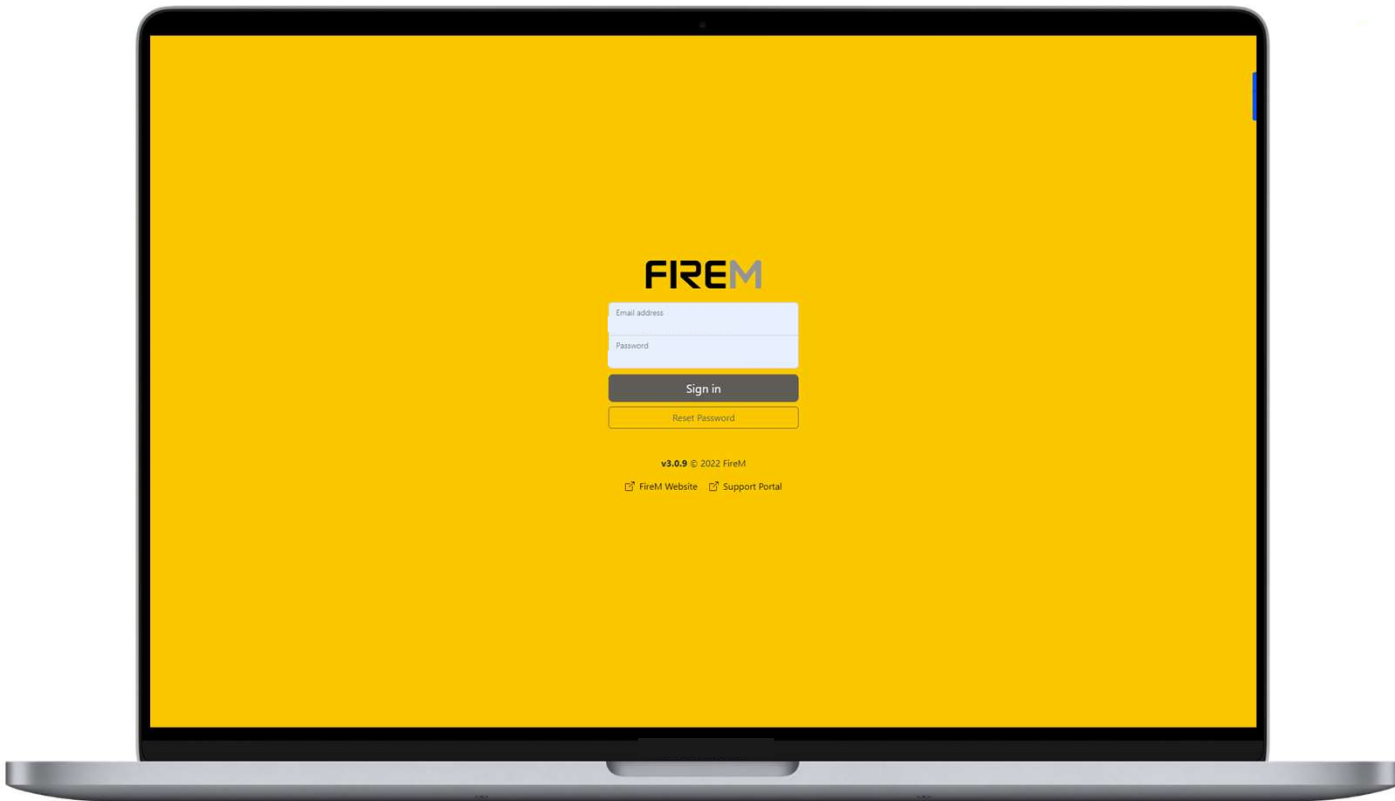
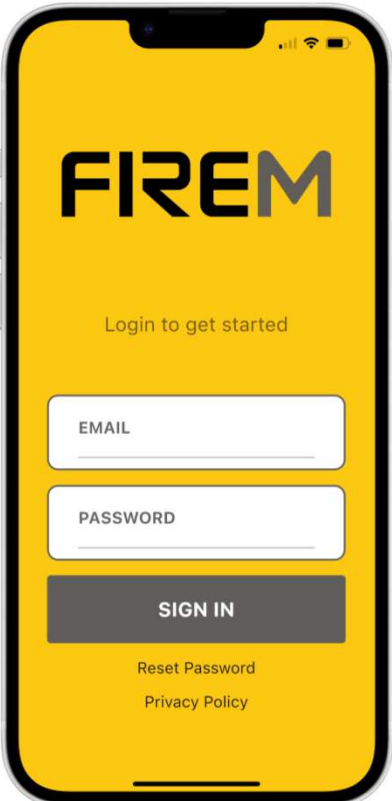
Stuart Dale - Director

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The background is a solid yellow color. On the left side, there are several vertical white lines of varying thicknesses. In the center and right, there are white geometric shapes, including a large, stylized 'F' shape and a grid of squares. The grid is composed of white lines that form a series of squares of different sizes, some of which are partially cut off by the edges of the image.

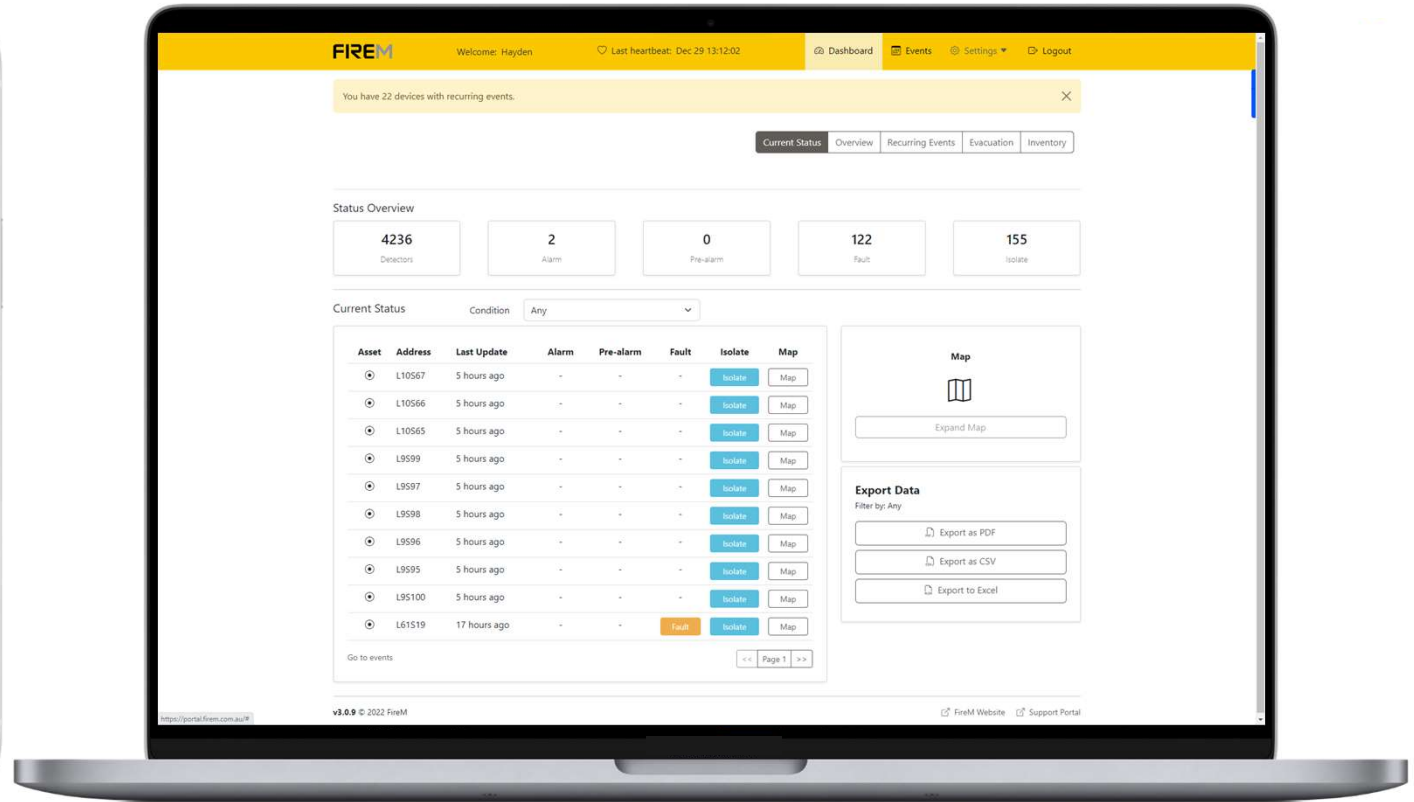
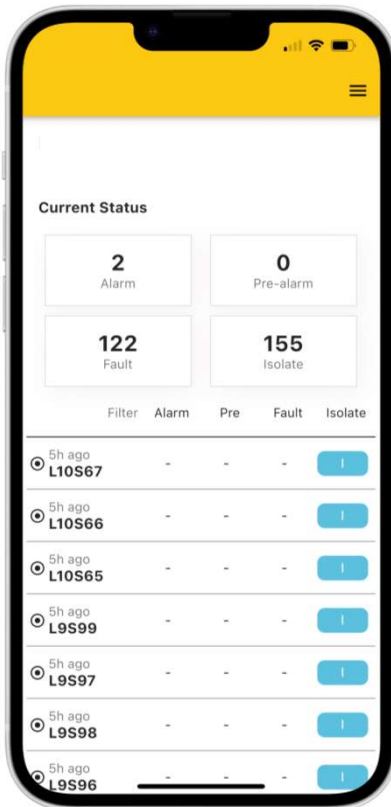
FIREM In Action Screenshots

Login Page

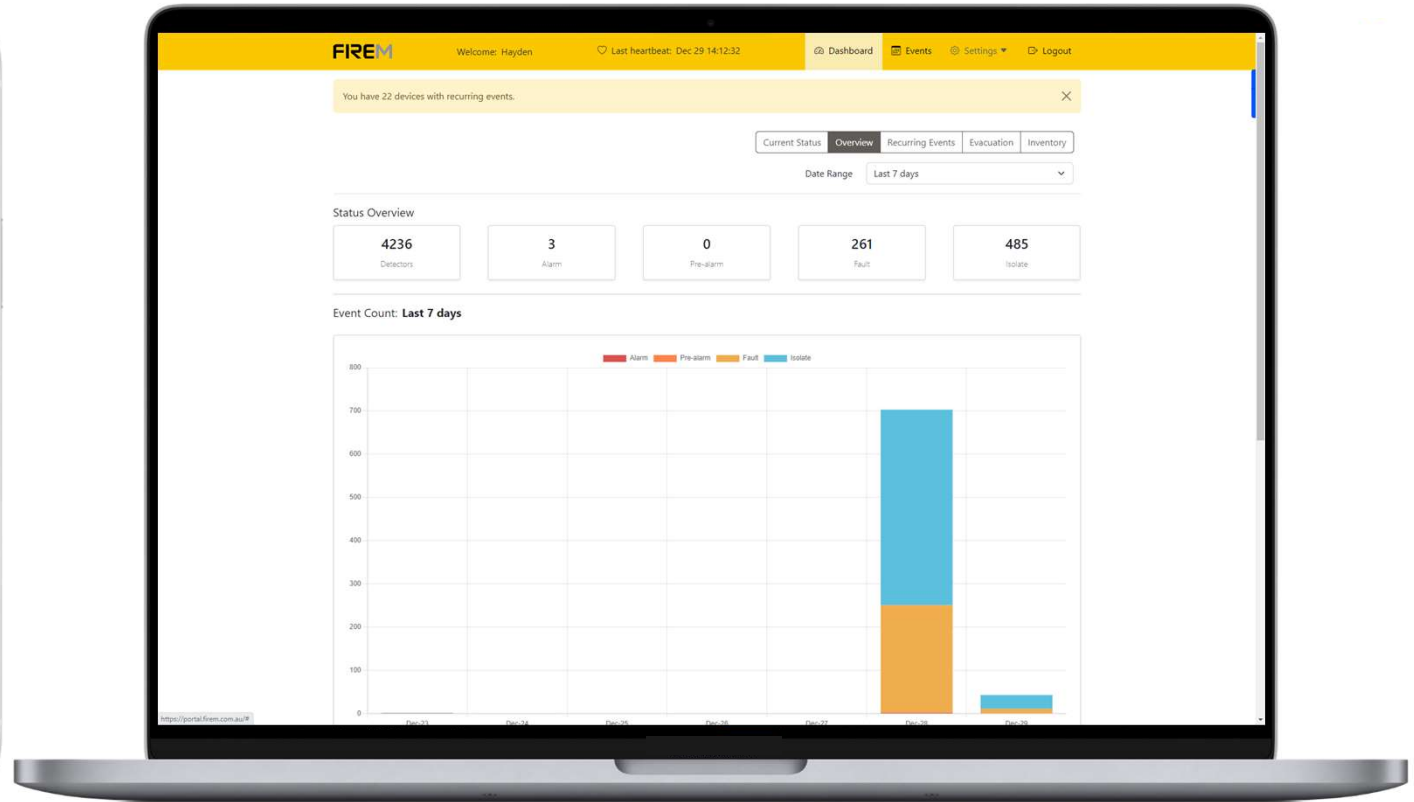
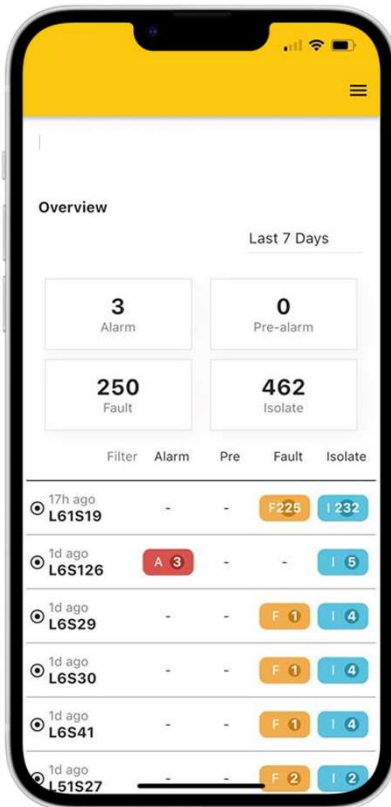


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Current Status Display

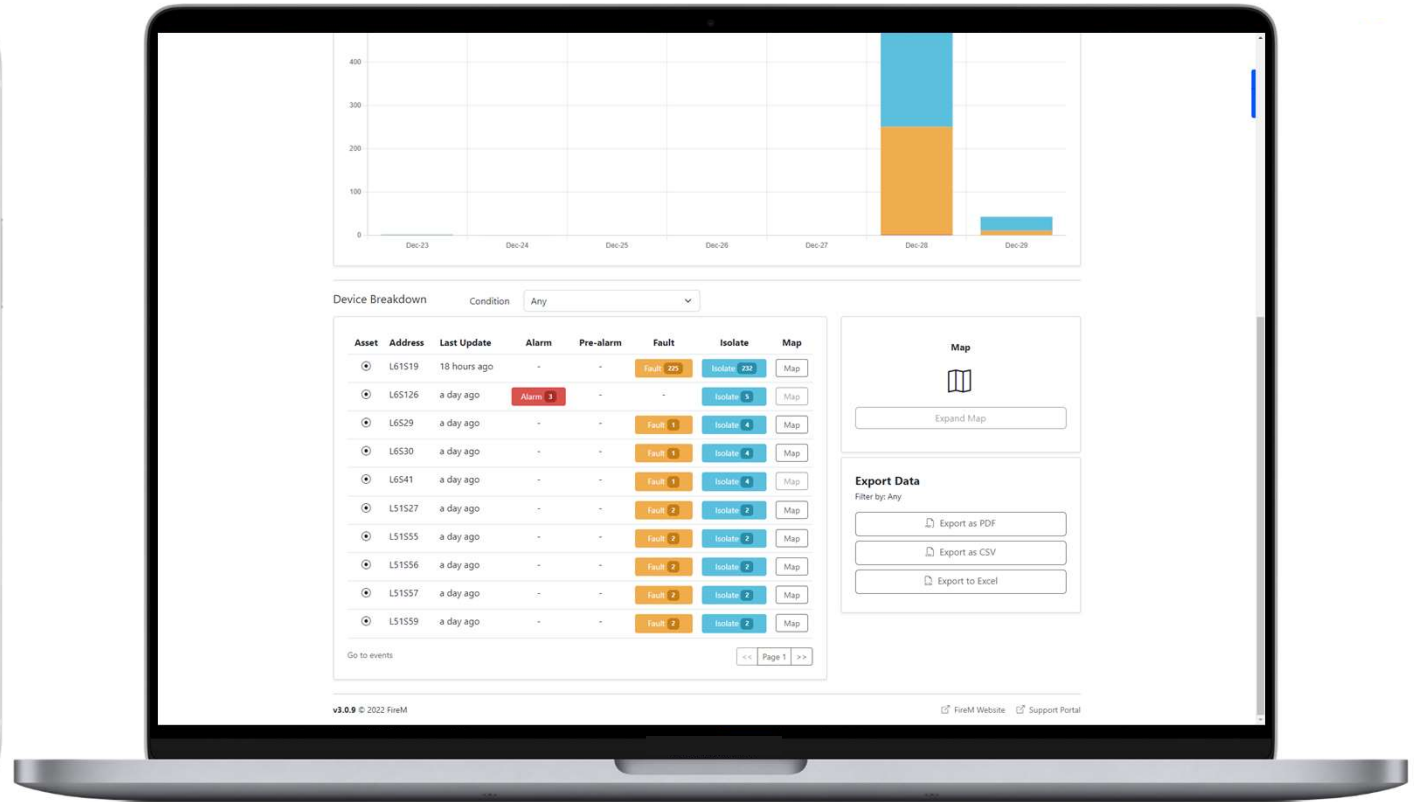
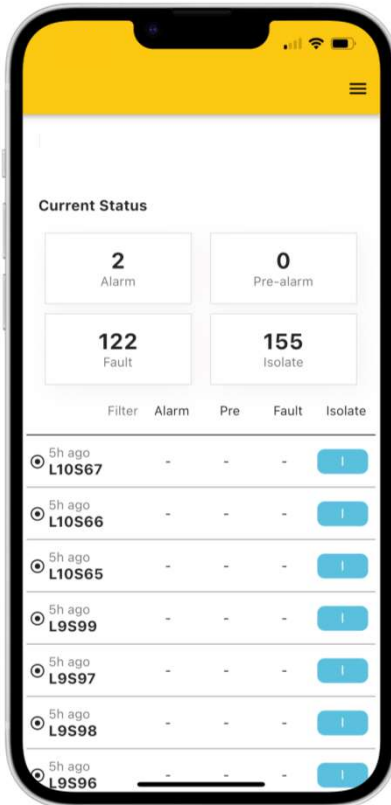


Overview Display – Part 1

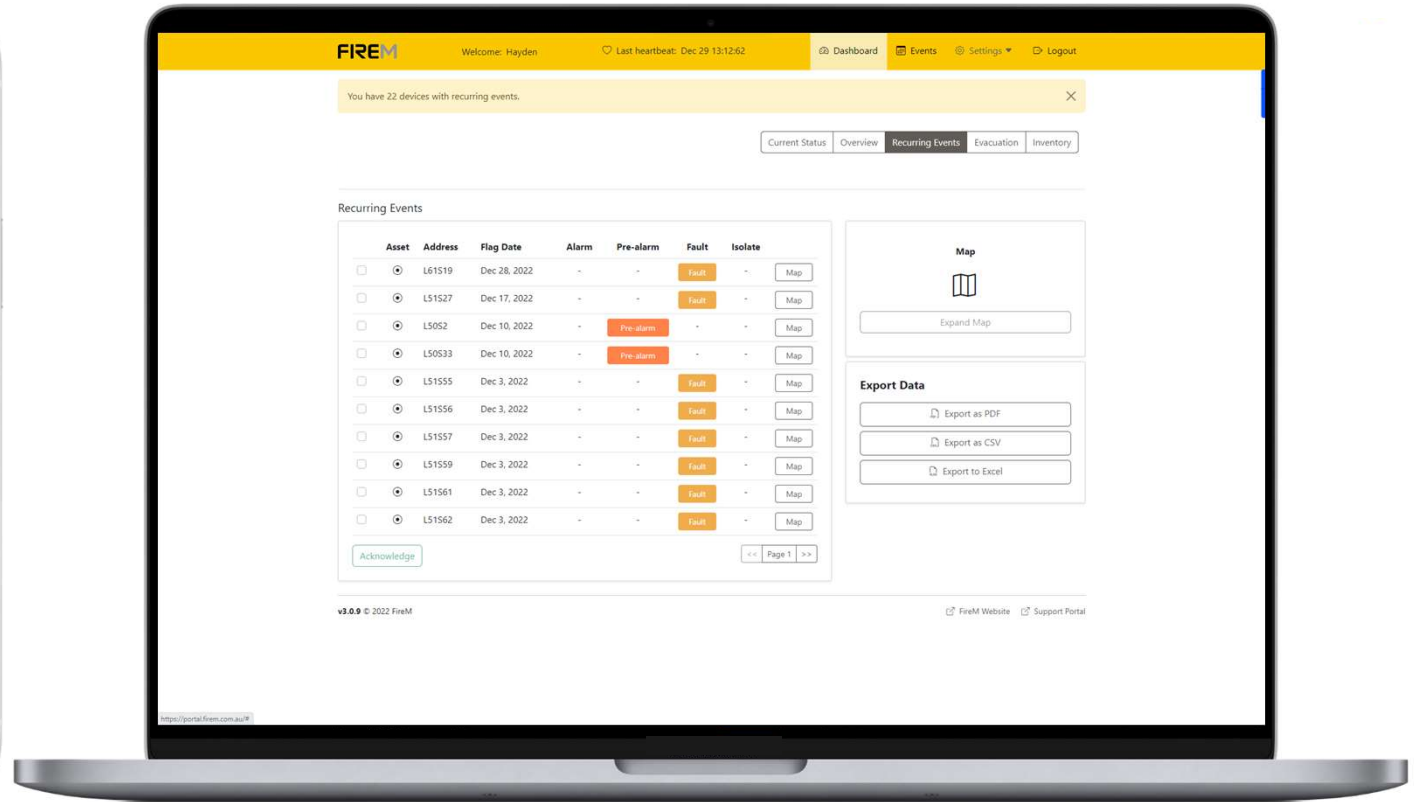
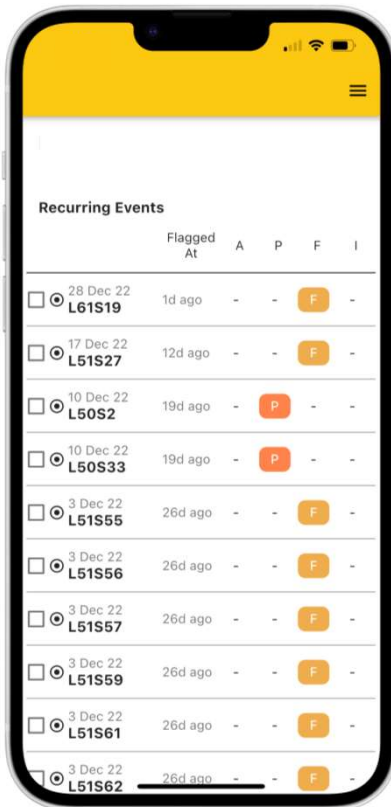


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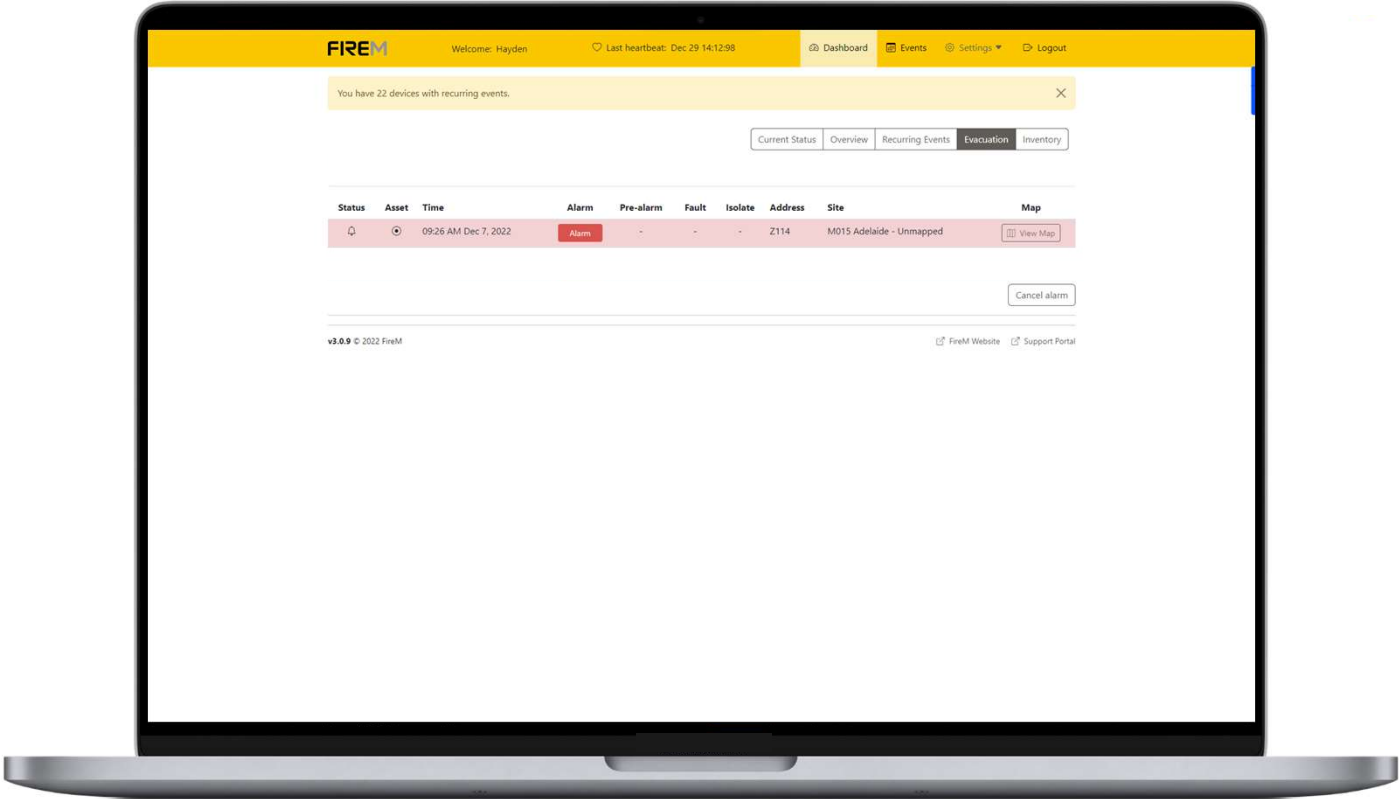
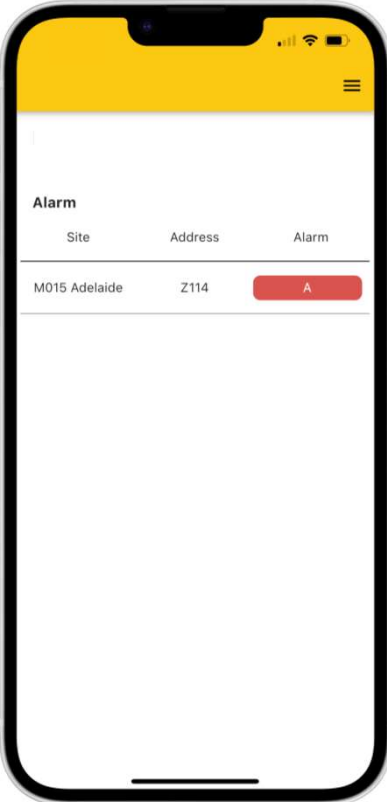
Overview Display – Part 2



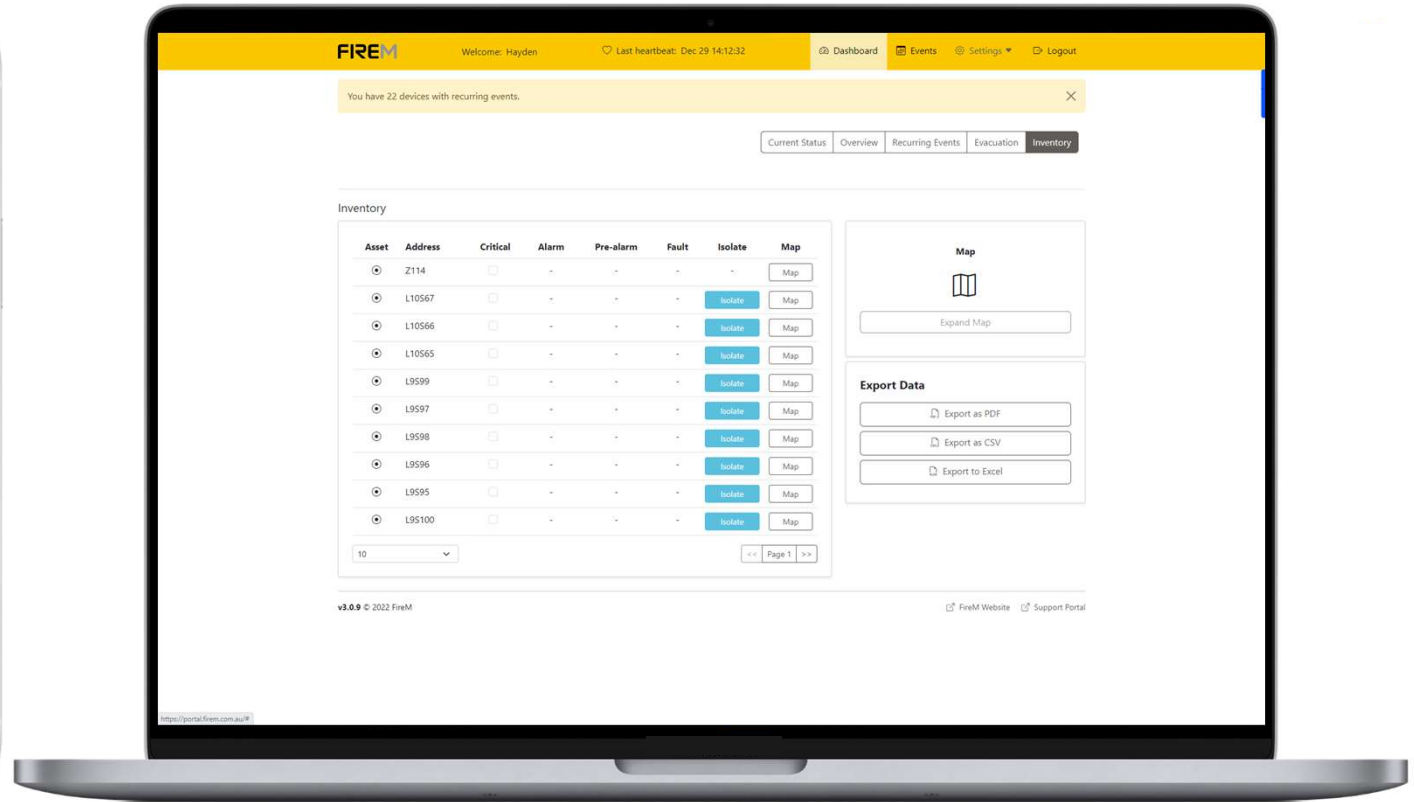
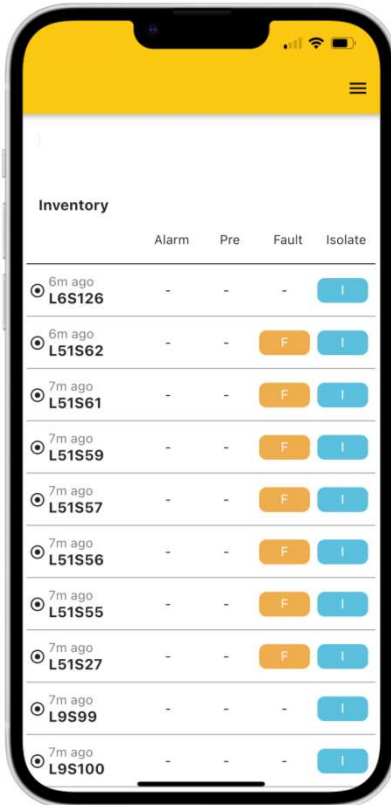
Recurring Events Display



Alarm / Evacuation Display



Inventory Display





FIREM Demonstration

FireM in Action

Demonstration



The screenshot shows a mobile application interface for 'FireM Australia Demo'. The title bar is yellow and contains the text 'FireM Australia Demo' and a menu icon. Below the title bar, the main heading is 'FireM - Zeta'. Underneath, there is a section titled 'Events' with filter options: 'Filter', 'Alarm', 'Pre', 'Isolate', and 'Fault'. The events are listed in a table with alternating background colors for each row. The data is as follows:

Date and Time	Event Details
2022-06-23 14:39:33	Z01 Cafe NNNN Detector ID: L1S003 - FireM - Zeta
2022-06-23 14:39:27	Z01 Cafe NNFN Detector ID: L1S003 - FireM - Zeta
2022-06-23 14:39:21	Z01 Cafe NNNN Detector ID: L1S003 - FireM - Zeta
2022-06-23 14:39:14	Z01 Cafe NPNN Detector ID: L1S003 - FireM - Zeta
2022-06-23 14:38:27	Z01 Cafe NNNN Detector ID: L1S003 - FireM - Zeta
2022-06-23 14:38:19	Z01 Cafe NNNI Detector ID: L1S003 - FireM - Zeta

At the bottom of the list, there is a summary entry: **Z01 Cafe**, Detector ID: L1S003 - FireM - Zeta.

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FireM in Action

Women's & Children's Hospital Adelaide, South Australia



Engaged by the South Australian Government, FireM was tasked to improve the fire safety for over 100,000m² of area at the Women's and Children's Hospital in 2018.

The objective was to notify on site Emergency Response Team and Clinical Staff in patient care areas of the exact location of alarm and pre-alarm events. Site security also receive the active alarm locations on mobile devices. Nurses Stations are now equipped with fixed tablets for alarm location display.



Project Outcomes

- Cost effective solution to mass notification of alarm event without upgrading the entire fire detection system infrastructure.
- Increased transparency on fire maintenance contractor activity.
- Verification of testing and maintenance being undertaken.

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