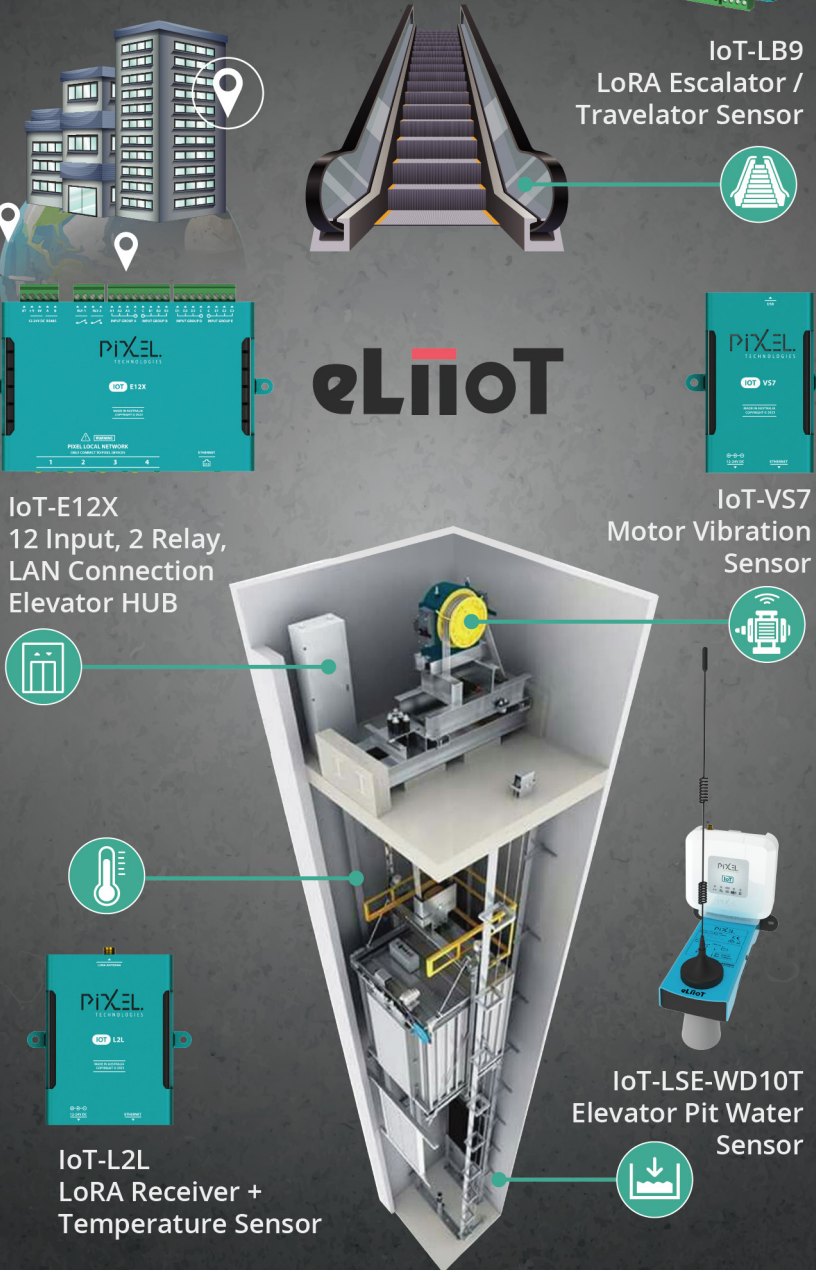


PIXEL IOT

ELEVATOR INDUSTRIAL IOT CLOUD MONITORING SYSTEM



REMOTE MONITORING FROM ANYWHERE



eLiIoT ELEVATOR INDUSTRIAL CLOUD MONITORING SYSTEM

Manage your elevator portfolio with eLiIoT Elevator Industrial IoT Cloud Solution.

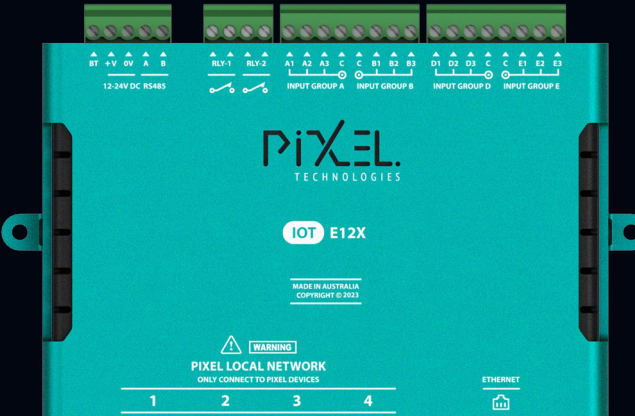
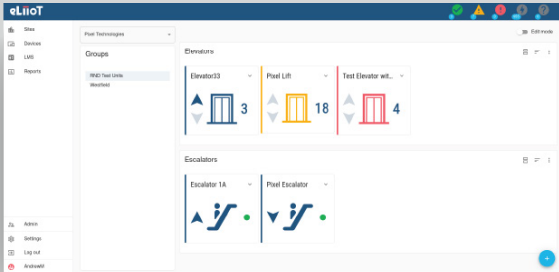
With a vast range of advanced sensors that integrate seamlessly with your elevator systems, creating a smart and responsive network, enabling real-time monitoring of critical events and other specialised operations all from one platform.

IOT-E12X INPUT/OUTPUT ELEVATOR HUB

The IoT-E12X board is the dedicated powerhouse for individual elevators, serving as the core of the Pixel IoT sensor network. It ensures seamless communication among Pixel IoT Monitoring sensors.

Key features include:

- 12 direct inputs for reading equipment signals
- Remote monitoring and management through eLiIoT cloud solution
- Automatic forwarding of Pixel LMS protocols to the cloud



12 x Inputs



2 x Relay Output



Pixel Bus Input for
Elevator PI



4 x Passive POE LAN
Ports for connection to
Pixel IoT sensors



1 x Ethernet Port for
Internet Connection
to eLiIoT cloud and
device configuration





Vibration Sensor



Records Lift Start/
Stops and motor
usage



LAN Port with Pixel
POE (Powered via
E12X)



Secure Pixel eLiiOT
Amazon Cloud
Connectivity



IOT-VS7

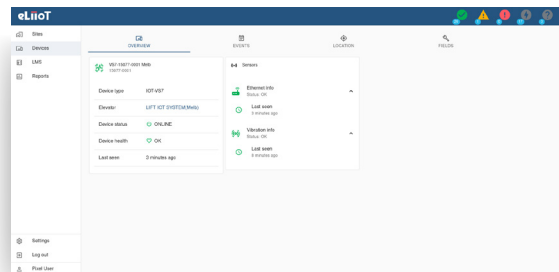
ELEVATOR MOTOR VIBRATION SENSOR

The IoT-VS7 is an intelligent device designed to monitor elevator motors using an advanced accelerometer. By detecting motor vibrations, it accurately tracks elevator usage and travel data.

Key features include:

- Capturing start/stop times
- Recording elevator motor operational hours
- Counting elevator usage
- Providing vibration threshold alerts

These statistics can provide insights for optimal maintenance planning.



IOT-L2L/TH

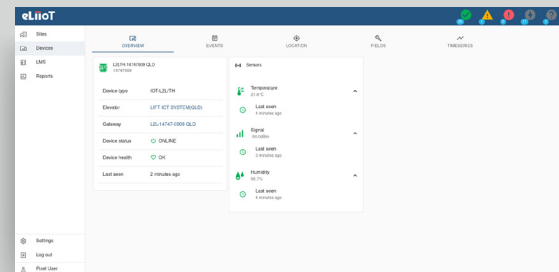
LORA-TO-LAN RECEIVER AND TEMPERATURE + HUMIDITY SENSOR

The IoT-L2L is a versatile wireless LoRa transceiver and temperature humidity sensor designed for precise measurements in various conditions and remote locations.

Key features include:

- Accurate temperature and humidity measurement
- Reliable performance in elevator environment
- Versatile data transmission options

The IoT-L2L can receive data from various other Pixel IoT devices via its wireless LoRa interface and efficiently relays it to the Pixel eLiiOT cloud through the Ethernet connection.



LoRa Transceiver



Temperature
Sensor



Humidity
Sensor



Secure Pixel eLiiOT
Amazon Cloud
Connectivity



LAN Port with
Pixel POE



Relay Activation
on sensor events





Ultrasonic Sensor
up to 765cm range



Periodic Reporting
of level detection



LORA Transceiver



Battery Backup



Immediate reporting
of threshold breaches
via local relay or eLiiOT
cloud email alerts



Secure Pixel eLiiOT
Amazon Cloud
Connectivity



IOT-LSE-WD10T

LORA WATERDETECTION SENSOR

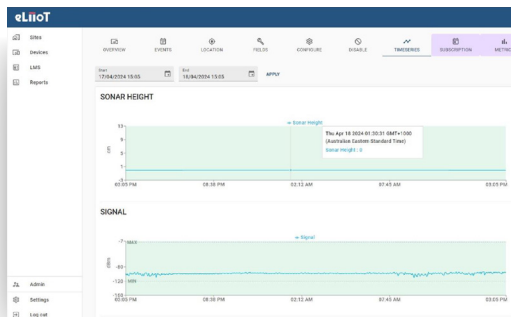
The IoT-LSE-WD10T is a high-precision ultrasonic water detection device designed for elevator shaft pits. It monitors water levels and sends alerts if they exceed a preset threshold.

Key features include:

- Monitoring water levels with precision
- Triggering local or remote actions via an output relay

Actions can include:

- Safely parking the elevator
- Activating alarms
- Turning on water pumps
- Sending notifications to the building's BMS system



IOT-LB9

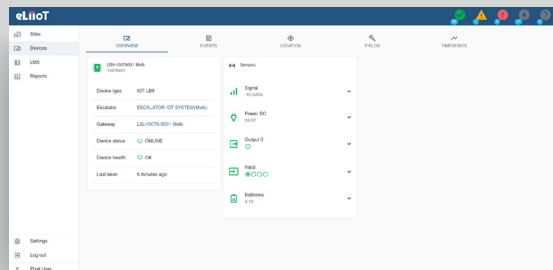
ESCALATOR LORA I/O SENSOR

The IoT-LB9 is a remote monitoring input device engineered for easy installation in difficult locations, such as escalator pits, where traditional networking and cabling are impractical to reach.

Key features include:

- Support for up to 4 connector inputs
- Wireless LoRa data transmission to the Pixel IoT-L2L LoRa transceiver

Data is efficiently transmitted to the Pixel eLiiOT Cloud system, ensuring reliable and comprehensive monitoring even in the most challenging environments.



4 Inputs



1 Relay



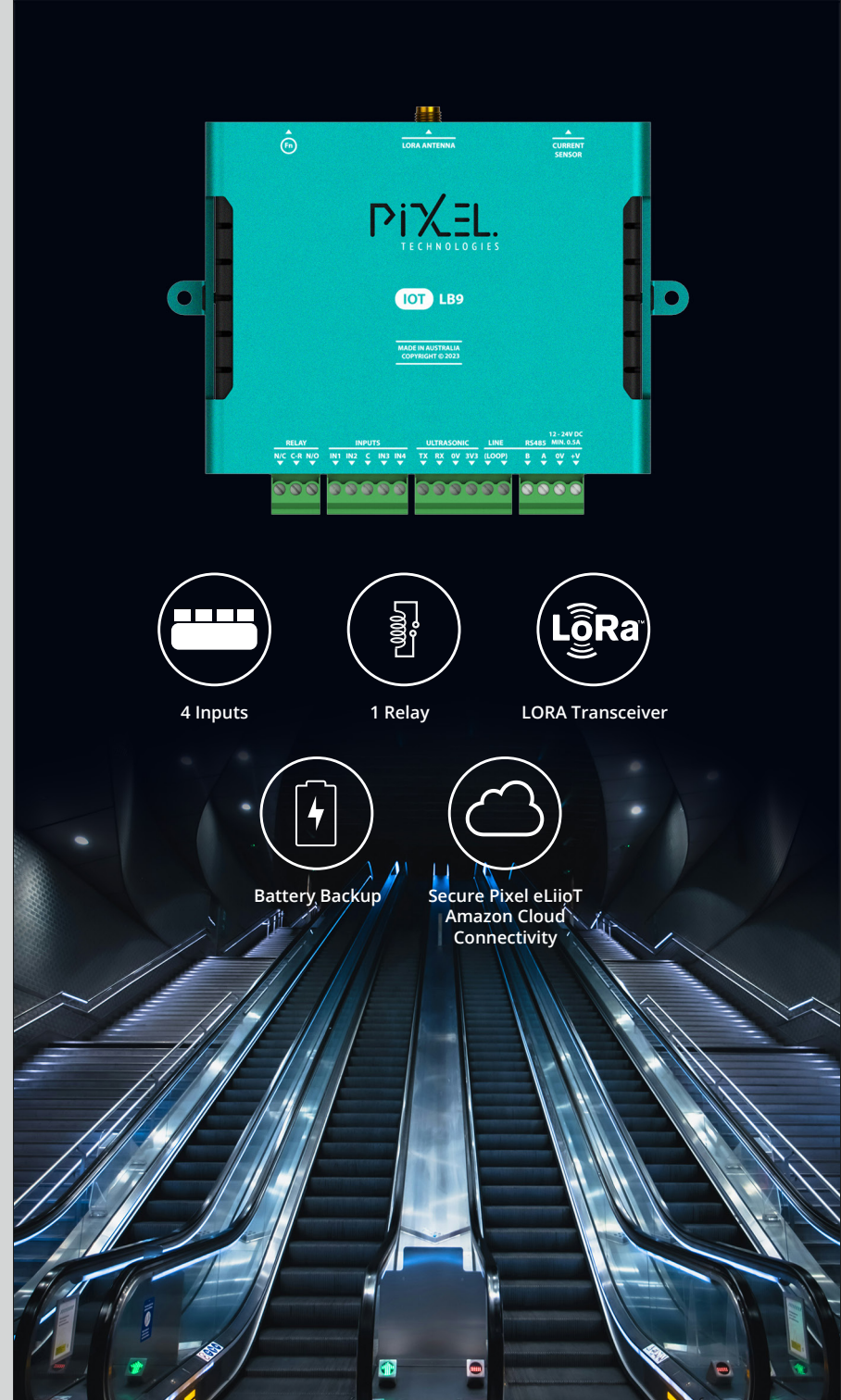
LORA Transceiver

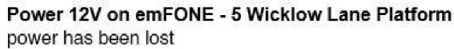
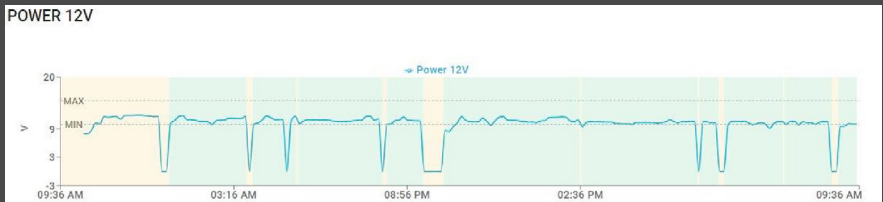


Battery Backup



Secure Pixel eLiiOT
Amazon Cloud
Connectivity



[View details](#)

In the event of a fault, an email alert is sent to a specified email account detailing the issue. The eLiIoT system then assists in providing further analysis of the fault and related events.

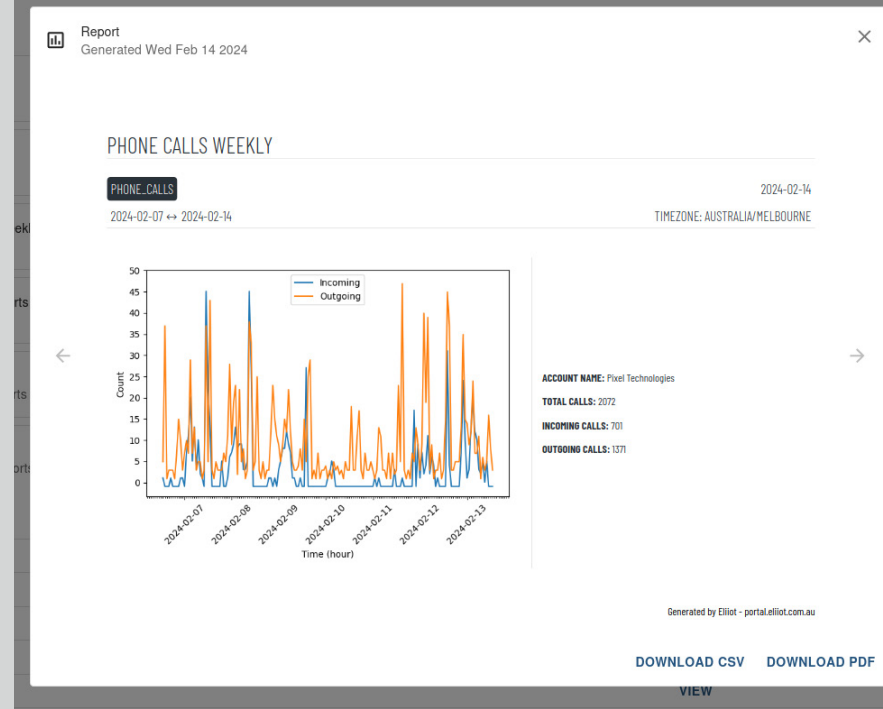
eLiiOT

REPORTING

The eLiiOT Monitoring System's reporting function provides comprehensive uptime data for elevator and escalator assets over a specified period.

Users can generate detailed diagnostic and event reports that include asset performance metrics, operational status, and historical data. These reports offer insights into the uptime and downtime of each asset, helping identify patterns and potential issues that may affect performance.

By analysing this data, users can optimize maintenance schedules, improve asset reliability, and ensure maximum operational efficiency.





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