

Zoneworks® XT DATA & Zoneworks XT Powerline



ZONEWORKS[®]
XT



What is Zoneworks XT DATA and Zoneworks XT Powerline?

Zoneworks XT DATA and Zoneworks XT Powerline is an automatic emergency lighting management system to make mandated testing, reporting and maintenance on emergency lighting and exit signs easier and reducing the burden of compliance.

Zoneworks XT DATA and Zoneworks XT Powerline are a part of the Zoneworks Ecosystem comprising;

- **HIVE (RF)**
- **XT DATA**
- **XT Powerline**

HIVE is the best choice for all projects unless there are sensitive areas where RF communication platforms are not permitted.

XT DATA is the best choice for all new-build projects where RF is not permitted.

XT Powerline is best for extensions and additions to existing XT Powerline installations but not recommended for new-build projects or for new sections of existing buildings.

HIVE, XT DATA or XT Powerline systems can be deployed as individual, standalone systems or combined to form one overall system.

- **Zoneworks XT DATA and Zoneworks XT Powerline** manages emergency lighting compliance via a simple to use software tool providing access to automatic scheduled testing and powerful reporting tools.
- **Zoneworks XT DATA and Zoneworks XT Powerline**, in comparison to the former Zoneworks LW system, delivers greater flexibility during installation, enhanced communications capability and easier connection to integrated Ethernet networks.
- **Zoneworks XT DATA and Zoneworks XT Powerline Systems** can be configured and supplied with no Wireless/RF devices or Wireless/RF capability.



Zoneworks XT DATA: all the benefits and outcomes of Zoneworks XT delivered over a dedicated DATA cable between emergency luminaires where no RF communication is permitted.

Zoneworks XT Powerline: utilises the XT Powerline as the primary means of communication between system infrastructure equipment and emergency luminaires/exit signs.

The Clevertronics Zoneworks XT DATA and Zoneworks XT Powerline Systems can be configured and supplied with no Wireless/RF devices or Wireless/RF capability.

Zoneworks XT DATA and Zoneworks XT Powerline Key features:

- The Zoneworks XT DATA controller has the capacity to support 3 x cable runs to Clevertronics DATA emergency light fittings. Each cable run supports up to 60 emergency light fittings and 300m distance, up to 180 emergency luminaires per controller.
- Ethernet backbone
- The Zoneworks application can be hosted on a local physical server, or virtual machine and supports multiple, authenticated, parallel users of the system at the same time.
- XT controllers dynamically manage repeating and communications between devices
- Note that XT Powerline controllers manage up to 250 emergency luminaires per XT controller*

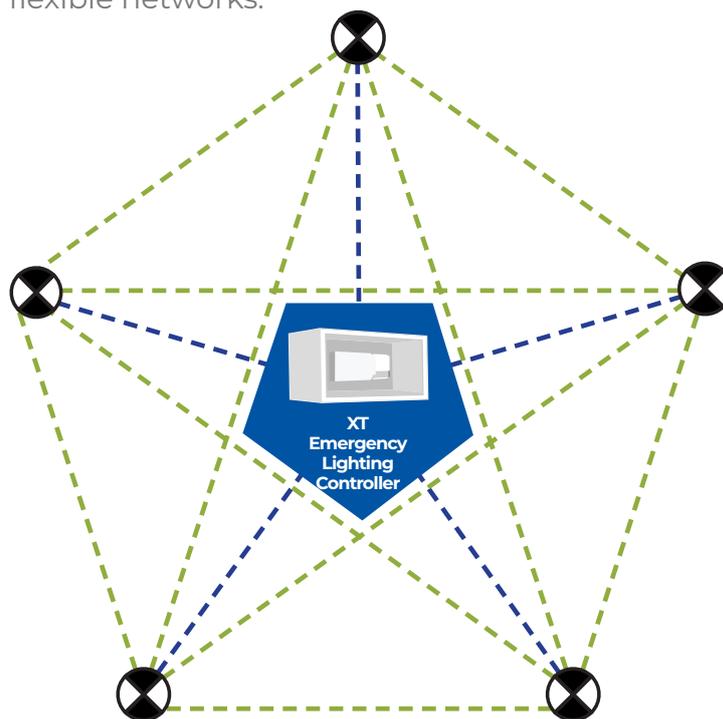
* For Zoneworks XT Powerline applications the limit is conditional on the distribution board arrangement.



Zoneworks® XT DATA/Zoneworks XT Communication

SELF-HEALING MESH COMMUNICATION

XT emergency lighting controllers dynamically manage the communications between exit and emergency luminaires on the Zoneworks network, resulting in more robust and flexible networks.



FLEXIBLE SITE AND USER MANAGEMENT

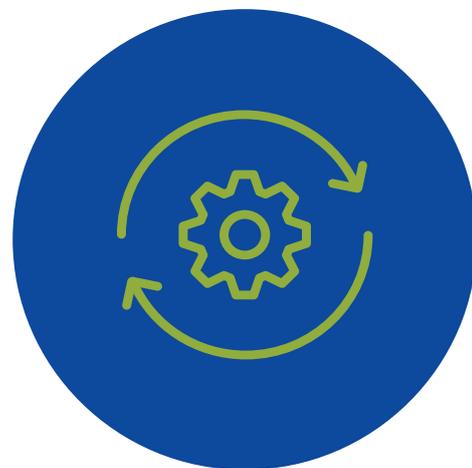
A feature named “Site Group Access” enables facility managers to grant specific access to users across different parts of the network. For example, they might have an agreement with different local contractors to provide emergency lighting maintenance for sections of the system or building. The building manager can give them access to the system, but they’ll only see the parts that are relevant to their responsibility.

This feature coupled with Active Directory Integration allows system administrators to manage users more effectively.

AUTOMATIC TOPOLOGY MANAGEMENT

The XT controllers always attempt to communicate with an exit or emergency light directly, but if they can't then it will use other fittings to do that for them. Periodically the XT controller will check the status of the network and automatically change the communications pathway if required.

This dynamic repeating capability results in more robust networks that are essentially self-healing if conditions change over time.



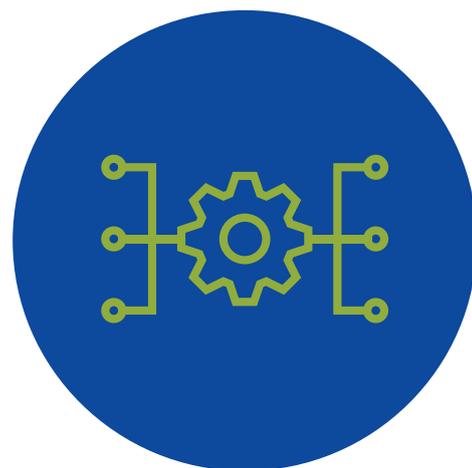
BUILDING MANAGEMENT SYSTEMS INTEGRATION

The Zoneworks XT DATA and Zoneworks XT Powerline platforms include the capability to integrate with 3rd party Integrated Building Management Systems platforms. This allows for the integration of the emergency lighting information into a single, consolidated building management system, alongside other building services including general lighting, ventilation, security, access, and more.

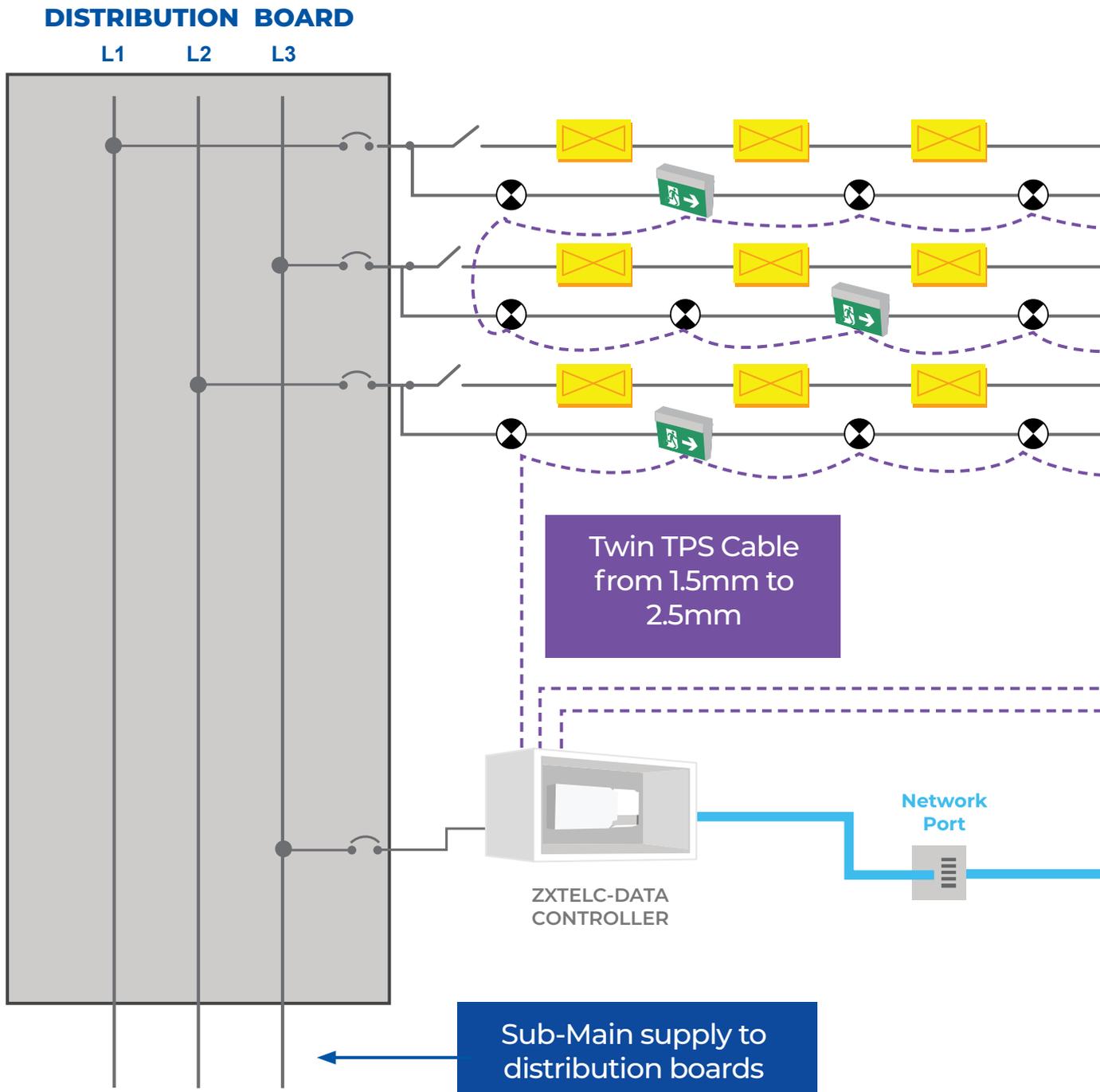
We offer integration with 3rd party Building Management Systems on two levels:

- a) High Level via a Direct Structured Query Language (SQL) database access where all information associated with each emergency light fitting can be obtained (no additional cost).**
- b) High Level MQTT interface for integration of Zoneworks HIVE compliance DATA to third party supervisory control systems and dashboards (like Building Management Systems).**

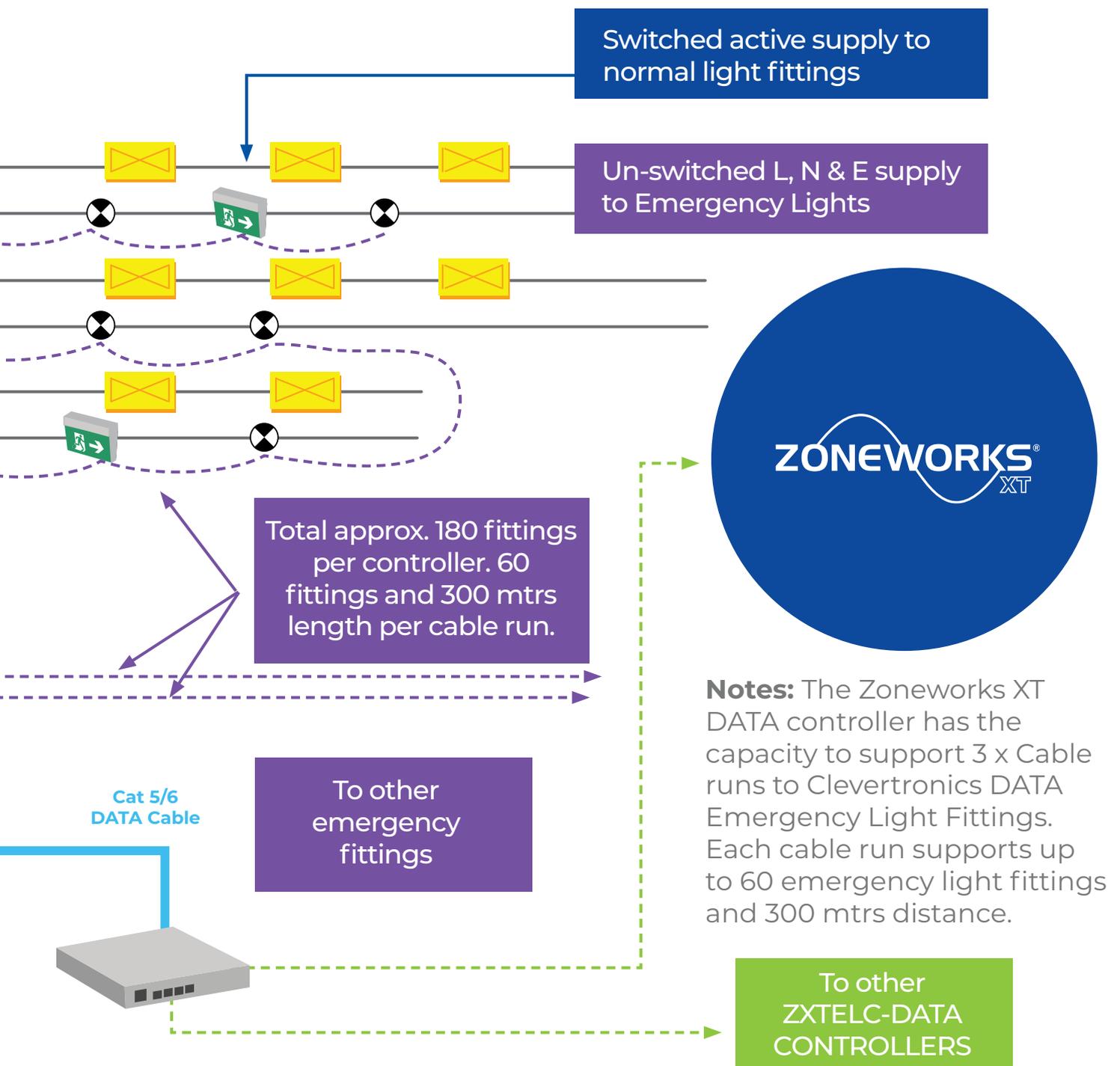
Clevertronics can provide a "System view" for the BMS integrator to access only the relevant information for each site.



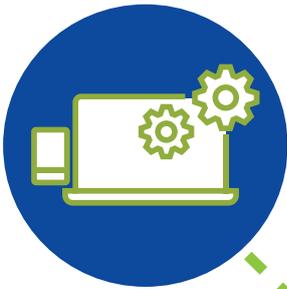
Zoneworks[®] XT DATA Wiring Schematic for all new build on existing XT Powerline sites, where RF is not



Old sites, or additional buildings not permitted or suitable



Zoneworks® XT Powerline Wiring Schematic for extensions



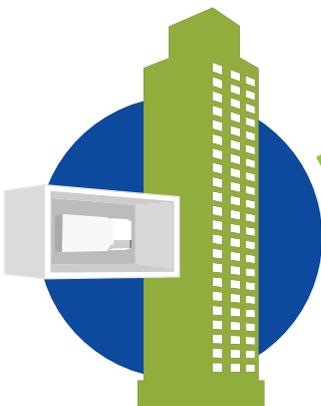
Operate the system and collect reports from any device with a web browser and access to the network.



The XT Server located on the network to host the system software and for database back-ups.



System Backbone: simple integration with a site services “converged” network, or dedicated XT ethernet backbone.

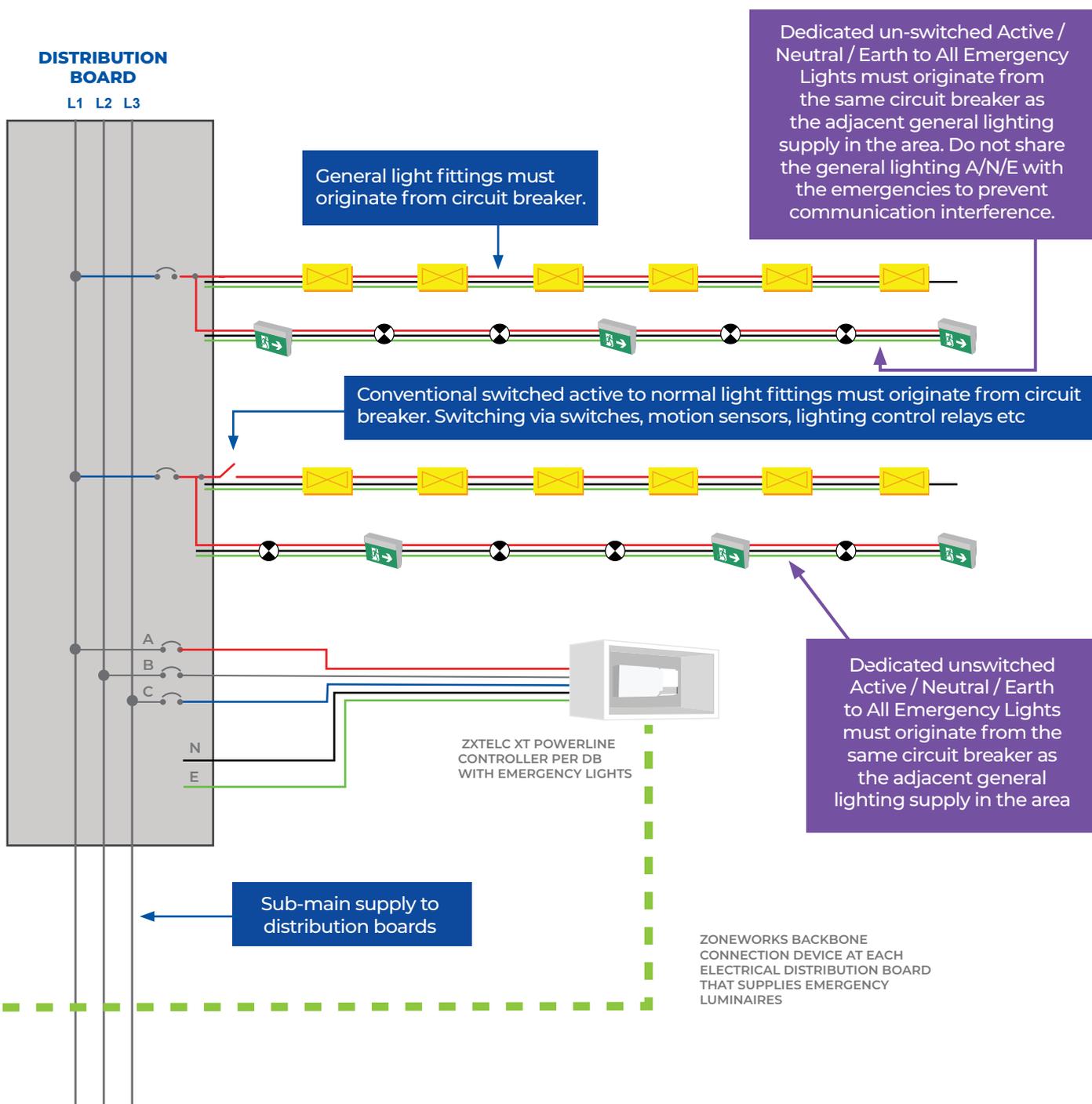


Zoneworks XT Powerline controllers on the same system in other zones or other buildings.

ZONEWORKS XT
EMERGENCY LIGHTING
CONTROLLER

System networking infrastructure for both XT DATA and XT Powerline

s and additions to existing sites



Zoneworks® XT Applications

Include:

- Maintaining and extending Zoneworks XT DATA and Zoneworks XT Powerline Systems.
- Where RF is not suitable

RELATED

- **MILITARY AND DEFENSE**
- **SECURE DATA CENTRES**
- **CORRECTIONS FACILITIES**
- **SECURE FACILITIES**

where no RF is permitted or not suitable



**MILITARY &
DEFENCE**



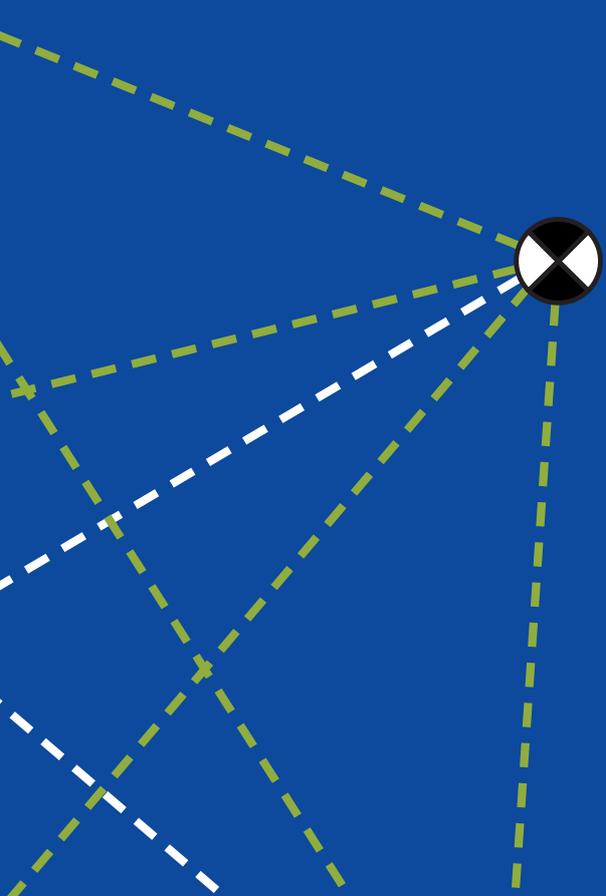
**CORRECTIONS
FACILITIES**



**SECURE DATA
CENTRES**



SECURE FACILITIES





Military & Defence

Project Name
Australian Defence
Building Asset

Year
2022

Location
Williamstown, NSW

Number of Fittings
2759

Industry Application
Defence

Contractor
Multiple Stages

Project Type
New Emergency
Lighting Installation

Product Range
LP Premium Lithium

Testing System
Zoneworks XT



Gatton Correctional Facility

Project Name
Gatton Correctional
Facility

Number of Fittings
2008

Location
Spring Creek, QLD

Contractor
Fredon Industries
QLD

Industry Application
Correctional Facility

Product Range
L10 Lithium
Nanophosphate

Project Type
New Emergency
Lighting

Testing System
Zoneworks XT

Year
2024



Military & Defence

Project Name
Australian Defence
Building Asset

Product Range
LP Premium Lithium
& L10 Lithium
Nanophosphate

Location
QLD Australia

Testing System
Zoneworks XT DATA

Industry Application
Defence

Project Type
New Emergency
Lighting

Number of Fittings
872

Victoria

1 Caribbean Drive
Scoresby VIC 3179
Phone: +61 3 9559 2700
Fax: +61 3 9559 2799

New South Wales

9 Distribution Place
Seven Hills NSW 2147
Phone: +61 2 8805 6400
Fax: +61 2 8805 6444

Queensland

1/140 Wecker Road
Mansfield QLD 4122
Phone: +61 7 3442 9700
Fax: +61 7 3442 9777

Western Australia

12 Milly Court
Malaga WA 6090
Phone: +61 8 9207 0000
Fax: +61 8 9248 3725

South Australia

Unit 1/136 Mooringe Ave
North Plympton SA 5037
Phone: +61 8 8301 8800
Fax: +61 8 8351 8286

Auckland

Unit 22/761 Great South Road
Penrose Auckland 1061
Phone: +64 800 548 448

Christchurch

163C Wordsworth Street
Sydenham Christchurch 8023
Phone: +64 800 548 448

United Kingdom

806 Oxford Avenue
Slough Trading Estate
SL1 4LN
Phone: 01895 430 255

clevertronics.com.au

clevertronics.co.nz

clevertronics.co.uk