

ZONEWORKS[®]

HIVE



The World's Most Advanced

It simplifies how emergency lighting is designed, installed, and managed by reducing backbone hardware requirements and implementing Dynamic Self-Managed (DSM) meshing technology utilizing only a single RF controller per 1000 fittings.

With , managing emergency lighting is now simpler, faster, and easier:

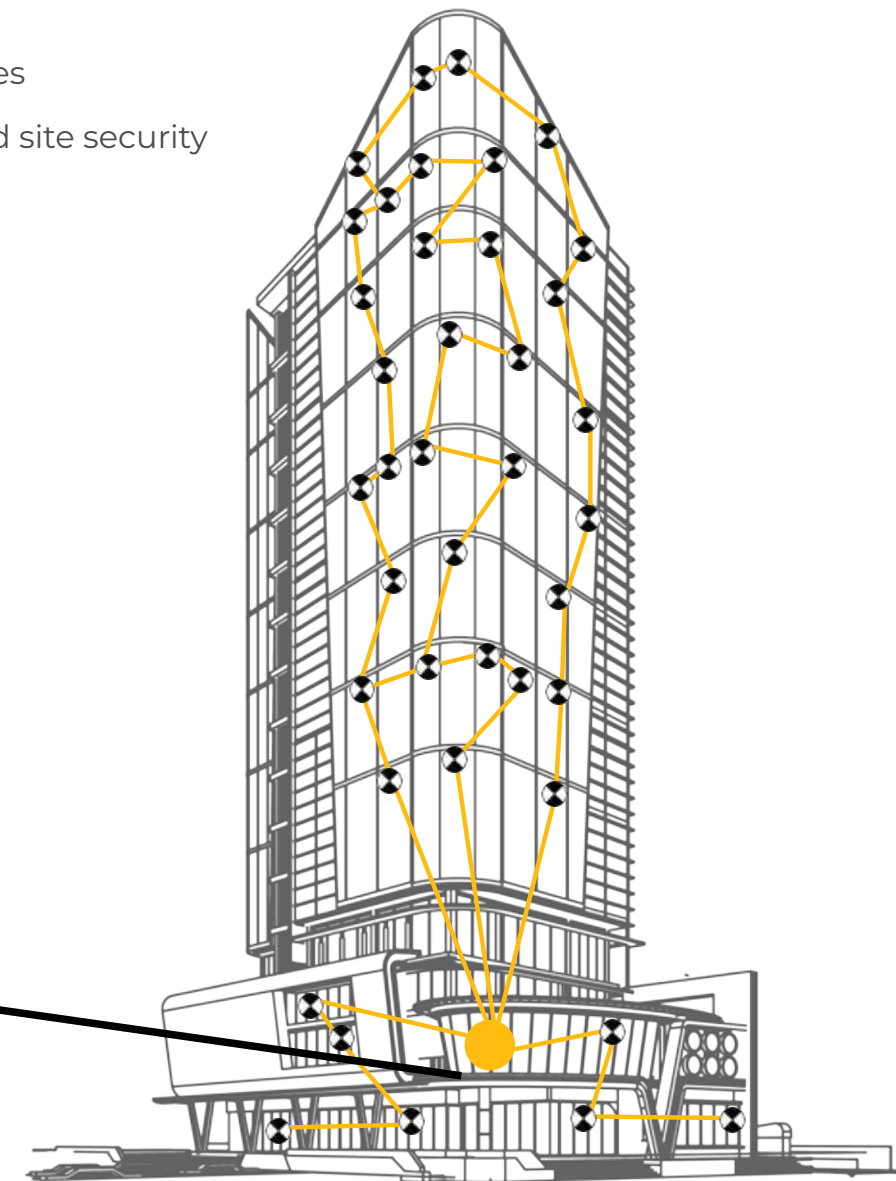
- for system designers.
- for installation and commissioning.
- for facility managers.

Plus, every Zoneworks HIVE system is backed by our Advantage Lifetime Support team—providing expert assistance for the life of the system, at no extra cost.

Simplicity

- **Simple** backbone set up
- **One RF controller** per 1000 fittings
- **Unlimited fittings** per system
- **Dynamic Self-Managed (DSM)** meshing
- **Easy** commissioning and handover
- **Lifetime** Technical Support
- **Simple upgrade** to existing sites
- **Industry grade encryption** and site security

Less backbone = Less Cost



*1000 fittings per controller, unlimited fittings per system.
Location of the controller is flexible & can be moved should the need arise.



The Zoneworks HIVE Advantage

Simpler Design, Faster Install,
& Easier Management

Whether you're designing, installing, or managing emergency lighting, Zoneworks HIVE delivers unmatched simplicity, speed, and efficiency—making it the smarter choice for designers, contractors, and facility managers alike.

Now you can specify lighting control functions and reporting for both car parks, stairwells, and back of house areas for no additional cost.

Designers  Simpler..... Planning & Specification - Minimal Backbone Infrastructure – One RF controller per 1,000 fittings. - Wireless Mesh Network – No additional routers, repeaters, or data cables required. - Scalable & Future-Proof – Easily expandable without reworking the system. What this means for you: Less complexity, reduced design time, and easier compliance with regulations	Contractors  Faster..... Install & Commissioning - Auto-Configuring Dynamic Self-Meshing – Devices self-connect, reducing setup time. - Plug & Play Installation – No need for additional networking cables or controllers. - Remote Testing & Commissioning – Reduce time spent on-site and simplify handover. What this means for you: Faster project completion, lower labor costs, and minimal troubleshooting.	Facilities Managers  Easier..... Compliance & Building Management - Automated Compliance Reporting – Meets standards with no manual testing. - Real-Time Monitoring & Diagnostics – Get instant system health updates. - User-Friendly Dashboard – Easily manage emergency lighting across multiple sites. What this means for you: Reduced maintenance effort, seamless compliance, and lower operational costs.
---	---	---



Reliable & Efficient Wireless Network

Like a beeHIVE, Zoneworks HIVE's Dynamic Self-Managed (DSM) Meshing enables each fitting to self-discover and form "colonies", dynamically building a reliable, interference-free network. These colonies communicate only within their group, preventing disruptions from other wireless systems. This smart, self-organizing approach maximizes efficiency, reduces commissioning time, and simplifies ongoing system management—making installation and operation faster, smarter, and more reliable

Key Features & Benefits:

-  – No single point of failure, ensuring uninterrupted operation.
-  – Automatically finds the best data path, adapting to environmental changes.
-  – Multi-channel blacklisting prevents disruptions from other wireless systems.
-  – Adapts to obstacles like walls, doors, or changing occupancy levels without impacting performance.
-  – Optimizes the signal path, reducing energy use while maintaining performance.
-  – from other wireless systems by deploying multi-channel blacklisting, adaptive transmit power, short transit times, and retransmission of lost data

DSM Meshing makes Zoneworks HIVE a smart, self-sustaining, and future-proof emergency lighting system that guarantees performance in any environment.

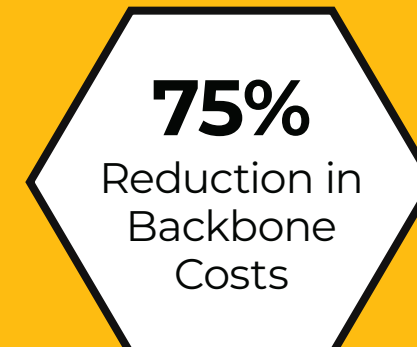


Flexible Hosting Solutions for Every Site

Zoneworks HIVE offers four flexible hosting options to suit different site requirements, ensuring reliable, scalable, and secure emergency lighting management.

1. **On-Premises Hosting (Physical Server – Dedicated Network)** Ideal for single sites without a shared network. Data remains on-site, with low infrastructure costs and no internet required
2. **On-Premises Hosting (Physical & Virtual Server – Shared Network)** Suitable for multi-building or campus-style sites with an existing network. Enables centralized management with scalability and BMS integration.
3. **Off-Premises Hosting (Public Cloud – Virtual Server)** Hosted on Amazon Web Services (AWS) for scalability & cost savings. No on-site server maintenance required, with secure remote access.
4. **Off-Premises Hosting (Private Cloud – Virtual Server)** Best for data-sensitive environments (e.g., healthcare, government). Offers dedicated cloud resources, enhanced security, and compliance.

Each hosting option is designed to optimize performance, reduce IT overhead, and ensure compliance for single-site and multi-site operations.



Every Type of Site

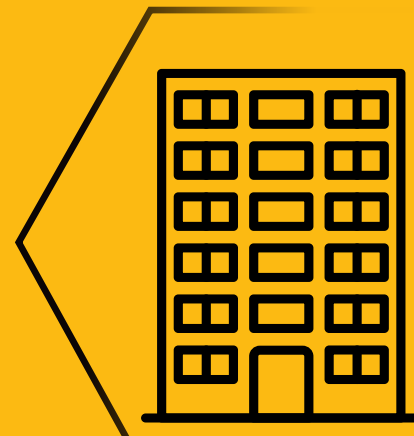
Whether it's a large industrial facility, a small building, or a multi-site operation, Zoneworks HIVE delivers a reliable, scalable, and intelligent emergency lighting system—helping businesses of all sizes reduce costs, simplify management, and improve compliance. The simplicity of Zoneworks HIVE makes it unchallenged as the easiest upgrade to an existing building on the market.

1. Large Sites – Reliable Coverage Without Complexity

Managing emergency lighting across large facilities, warehouses, or multi-building campuses can be challenging, but Zoneworks HIVE simplifies the process:

- eliminates the need for expensive networking infrastructure.
- reduces manual testing and maintenance, ensures seamless communication across large spaces.

With centralized cloud management, large sites can be monitored remotely, reducing time spent on-site while ensuring real-time system oversight.



2. Small Sites & Upgrades – Cost-Effective and Easy to Deploy

For small businesses, retail stores, and single-site locations, Zoneworks HIVE provides the benefits of a smart system without the complexity or cost of a large-scale installation:

- **Almost no backbone - one controller will be all you need for most sites**
- **Cloud-based management** – No dedicated PC or server required, minimizing IT demands.
- **Fast, simple installation** – Wireless self-meshing means minimal setup time.

Zoneworks HIVE ensures small sites get all the advantages of an advanced emergency lighting system while remaining cost-effective compared to traditional SPU fittings.



Zoneworks HIVE is simple & easy because:

- | | |
|---------------------------------------|---------------------------------------|
| ✓ No More Additional Routers | ✓ No More Additional Couplers |
| ✓ No More Additional Controller | ✓ No More Additional Data Points |
| ✓ No More Additional Repeaters | ✓ No More Data Cable Between Fittings |
| ✓ No More Additional Networking Cable | ✓ No More Additional Extenders |



3. Multi-Site Operations – One System, Multiple Locations

Businesses with multiple locations, retail chains, or distributed facilities need a solution that provides centralized control while allowing local management. Zoneworks HIVE delivers:

- **Seamless multi-site connectivity** – Monitor and manage multiple locations from one interface.
- **Site Group Access** – Facility managers can grant site-specific access while retaining full compliance oversight.
- **Consistent testing & reporting** – Standardized emergency lighting management across all sites.

This makes Zoneworks HIVE the ideal solution for businesses that need to scale, ensuring all locations remain compliant with minimal administrative effort.

Managing Multiple Sites with one Simple Interface

Site Group Access



Unmatched Security & Reliability with Zoneworks HIVE

Advanced Security for Emergency Lighting Networks

Zoneworks® HIVE provides industry-leading security with three levels of system network protection

- ✓ Message Integrity – Ensures that network data has not been tampered with.
- ✓ Message Confidentiality – Encrypts data to prevent unauthorized access.
- ✓ Node Authenticity – Allows only authorized devices to join the network.

These security measures ensure that Zoneworks HIVE remains the most reliable, secure, and scalable emergency lighting system on the market today.

HIVE Encryption Key



Solutions for sites or areas that can't utilize wireless platforms

For environments where RF networks are unsuitable due to client or application requirements, such as hazardous areas and hospital MRI rooms - Clevertronics offers two reliable alternatives:

1. **HIVE2Wired Bridge** – Extends Zoneworks HIVE into RF-restricted areas using a wired communication link, ensuring all fittings remain part of the same system.
2. **XT Data & Powerline** – A fully wired alternative to Zoneworks HIVE, using data-over-powerline technology to enable emergency lighting management without the need for RF

Both solutions ensure seamless compliance, monitoring, and control, even in RF-sensitive environments.

Both these alternatives can be commissioned to work side-by-side on the same headend Zoneworks software.



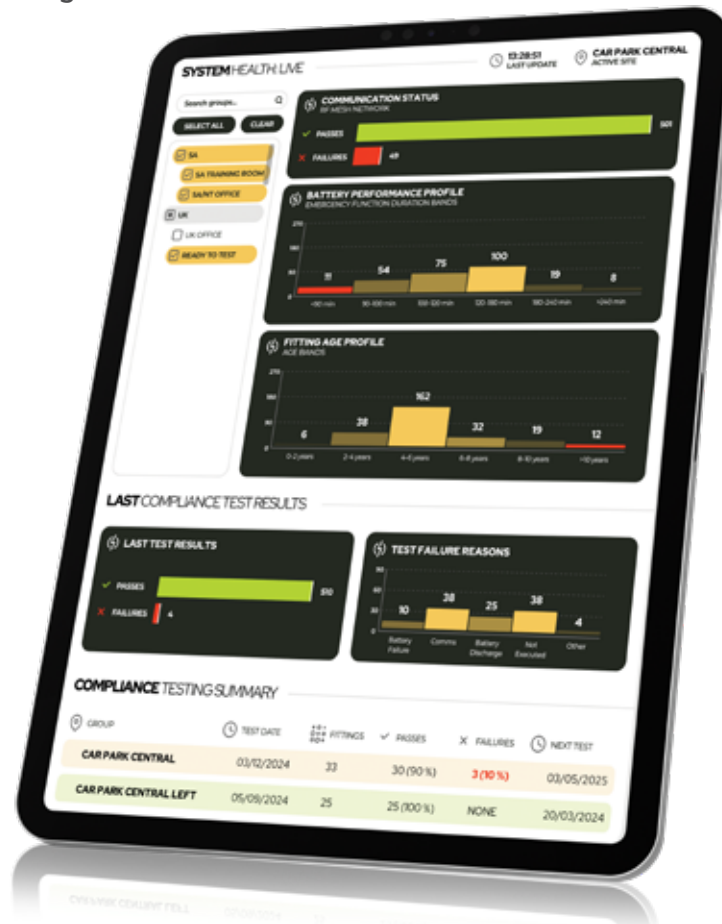
Trusted across

**Data
Centres**

**Infrastructure
& Transport**

Monitoring, Reporting, & Integration Zoneworks HIVE

Zoneworks HIVE has all the functionality users are familiar with, including a clean and simple web-based interface that can be integrated seamlessly with other networked building management services.



Fittings by groups

Fitting Details

Emergency Lighting Dashboard

Automated Compliance & Reporting

Automated Compliance & Reporting – Zoneworks HIVE automatically schedules and logs test results, eliminating the need for manual logbooks and on-site testing. Compliance data is securely stored and easily accessible, ensuring facilities remain audit-ready without the hassle of manual record-keeping.

Remote Monitoring & Proactive Maintenance

Facility managers can monitor and control emergency lighting from anywhere via a cloud-based dashboard, accessing real-time fitting status by Fittings Group or individual Fitting Details. With instant fault alerts, issues can be identified and resolved proactively, reducing downtime and ensuring system reliability.

NEW Emergency Lighting Dashboard

The all-new Zoneworks HIVE System Health Dashboard provides a comprehensive, real-time view of your emergency lighting system, including battery performance and fitting age profiles. With clear pass/fail indicators and failure reasons, users can quickly identify issues, track trends, and proactively plan maintenance and future investments, ensuring compliance and system reliability at a glance.

NEW Live Drawings

The all-new Live Floor Plans feature in Zoneworks HIVE provides a real-time visual overview of emergency and general lighting on your building's floor plans. Automated placement ensures accuracy, while clickable fittings display live status updates with color-coded indicators for easy monitoring.

Simplify maintenance, compliance, and control—all in one view.

Zoneworks integrates with third-party Building Management Systems (BMS), allowing emergency lighting data to be managed alongside other integration systems such as lighting, ventilation, security, and access control within a single platform.

- ✓ Low-Level – Voltage-free contacts for alarm and fault notifications.
- ✓ High-Level SQL – Direct database access to emergency lighting data (no additional cost).
- ✓ High-Level MQTT – Compliance data integration with supervisory control systems and dashboards.

Clevertronics provides a customized system view, ensuring BMS integrators can access only the relevant data for each site.

The reporting functionality provides everything you need at the push of a button from faulty fittings, maintenance log and full test results.

Fitting detail and test history

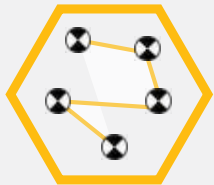
Effortless Set-Up Commissioning Zoneworks HIVE

A Faster, Simpler, and More Efficient Setup

Commissioning emergency lighting systems has never been easier. Zoneworks HIVE eliminates complex infrastructure, reduces setup time, and automates network creation - allowing installers to get the system up and running faster than ever. And now with the addition HIVE, commissioning general lighting is just as easy.

Simple Set-Up & Commissioning Process

1. Install & Power Up the HIVE Devices



- No additional networking cables, routers, or controllers required.
- Wireless Dynamic Self-Managed (DSM) Meshing enables fittings to automatically detect and connect to each other.
- Reduces commissioning time by eliminating manual device pairing.

2. Commission the RF Controller



- One RF controller can manage up to 1,000 fittings with unlimited fittings per system.
- Simply turn on the controller and it will automatically communicate with the network.
- No manual configuration of networking or data points is required.

3. Create the Logbook & Finalize System setup



- Fitting registers can be uploaded instantly, saving time and reducing errors.
- The system is ready for real-time monitoring, testing, and compliance reporting - via a smartphone, tablet, or PC.



Paperless Commissioning is a cloud-based process that streamlines device registration and setup during commissioning, eliminating manual paperwork. Installers enter device details via a mobile-friendly web link, which syncs to the cloud in real time, ensuring faster setup, improved accuracy, and secure, remote access—making commissioning quicker, more reliable, and fully digital.



Commissioning structured to suit your site

Upgrading existing Zoneworks system

An investment in a Clevertronics Zoneworks system is an investment for life. Every new Zoneworks system is backwards compatible with previous generations that allows for a seamless upgrade pathway for all our end user clients to accommodate refurbishments like tenancy refits, building additions, or simply migration to our latest technology as fittings fail through natural attrition.

To upgrade an existing Zoneworks site to HIVE, simply add an HIVE controller and add or replace fittings when required under regular maintenance. Software updates are free and Clevertronics provides commissioning support to migrate your existing Zoneworks system and HIVE into one front end interface for ongoing testing, reporting & compliance management.

HIVE nodes

Clevertronics LP & L10 battery technology combined with 100,000hour luminaires means your installed fittings have industry leading service life.

With our engineered backwards compatible HIVE nodes there is no need to discard functioning emergency lights to access the benefits of the Zoneworks HIVE as part of your upgrade project. The Zoneworks HUNI Card [HIVE Upgrade Node Interface] is a plug-and-play solution that links the existing evacuation luminaire into the HIVE platform. This process can happen in bulk or over time to build a complete HIVE system to maximise the life of your investment in lithium fittings.

between and Zoneworks systems

A single hybrid front-end Zoneworks interface allows existing clients to control both the existing and new generation of Zoneworks in one location, without jumping between interfaces or windows.

This creates a more seamless experience for clients with no separation between emergency lighting - allowing for staged upgrades or new HIVE additions on sites using our powerline platforms.

Upgrading your site to HIVE from scratch

Previous emergency lighting system upgrades were costly and complex due to the required backbone and cabling requirements. With Zoneworks HIVE's simple backbone and Dynamic Self-Managed (DSM) meshing system, all sites, regardless of manufacturer, can now be easily upgraded cost-effectively.

Here are some signs you might need to consider an upgrade:

- Your facilities management team are struggling to stay on top of testing and maintenance requirements
- Your team isn't sure how your system works because training and support is minimal
- You're not sure if your building is compliant, and there's no log of the testing or maintenance
- Your costs to manage, maintain, and test your system are high - and going up over time
- Your lamps and batteries are an older style that needs replacing every year or so

HIVE progressive upgrades don't add any significant upfront cost to your emergency lighting maintenance budget as it only requires the small investment of a HIVE controller. As the existing fittings fail and need replacement, HIVE compatible fittings are installed as a progressive upgrade throughout the site. This process ensures you are only using the maintenance budget to achieve the upgrade. Depending on the health of the existing fittings, you will likely have a fully operational HIVE site within a few years.

Only one HIVE fitting and controller is required to start you on a better emergency lighting compliance journey.

Are you interested in understanding more about an upgrade at your site?

Contact **Clevertronics** for a site audit, demonstration and cost analysis report.

Trusted across
many industries

Residential
& Hotels

Heavy
Industry

Warehouse
& Distribution

Your Partner in Compliance & Lighting Control

Emergency lighting is regarded as a life-saving device, and therefore, it should always be in working order. Compliance with the standard can be costly, especially if the products and operating systems regularly fail.

Many emergency lighting companies finish their involvement on your project once the product has been supplied. However, at Clevertronics we know that on-going support is important to contractors and building owners.

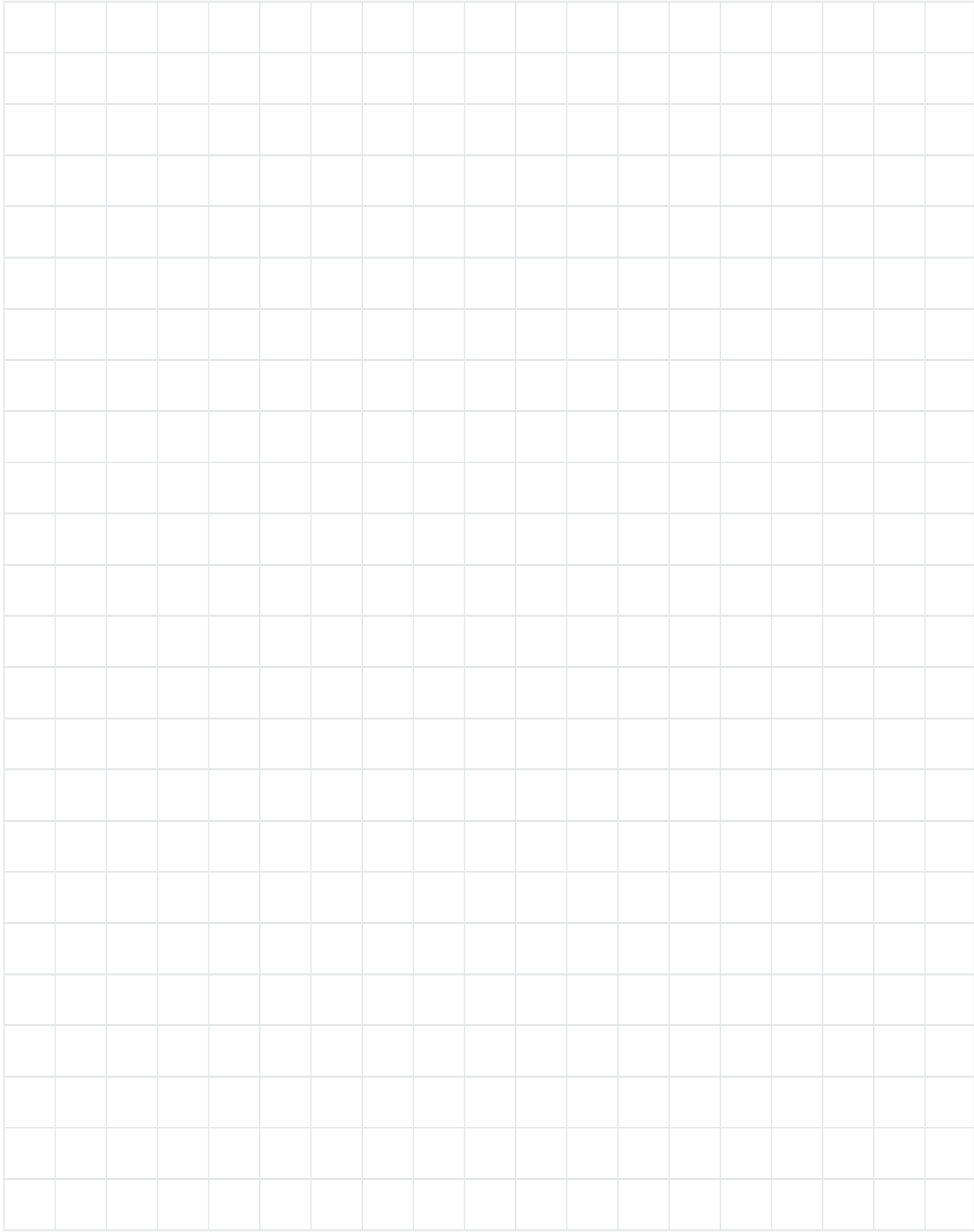


How else we can help you

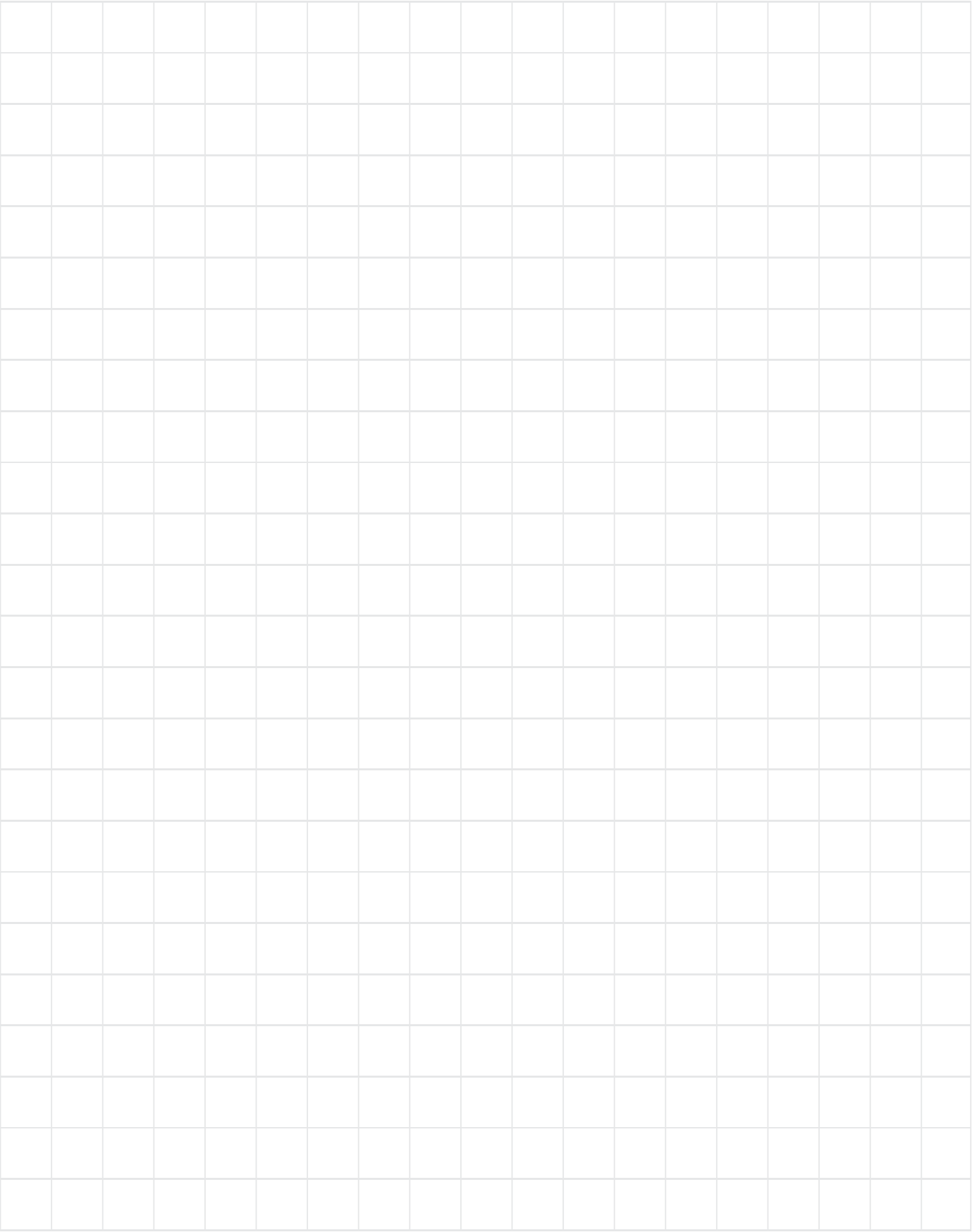
System Health Check	
System Optimisation	
User Training	
Complimentary Software	Complimentary software upgrades are installed to ensure your system is always up to date
Dedicated Support Contact	

Technical Overview

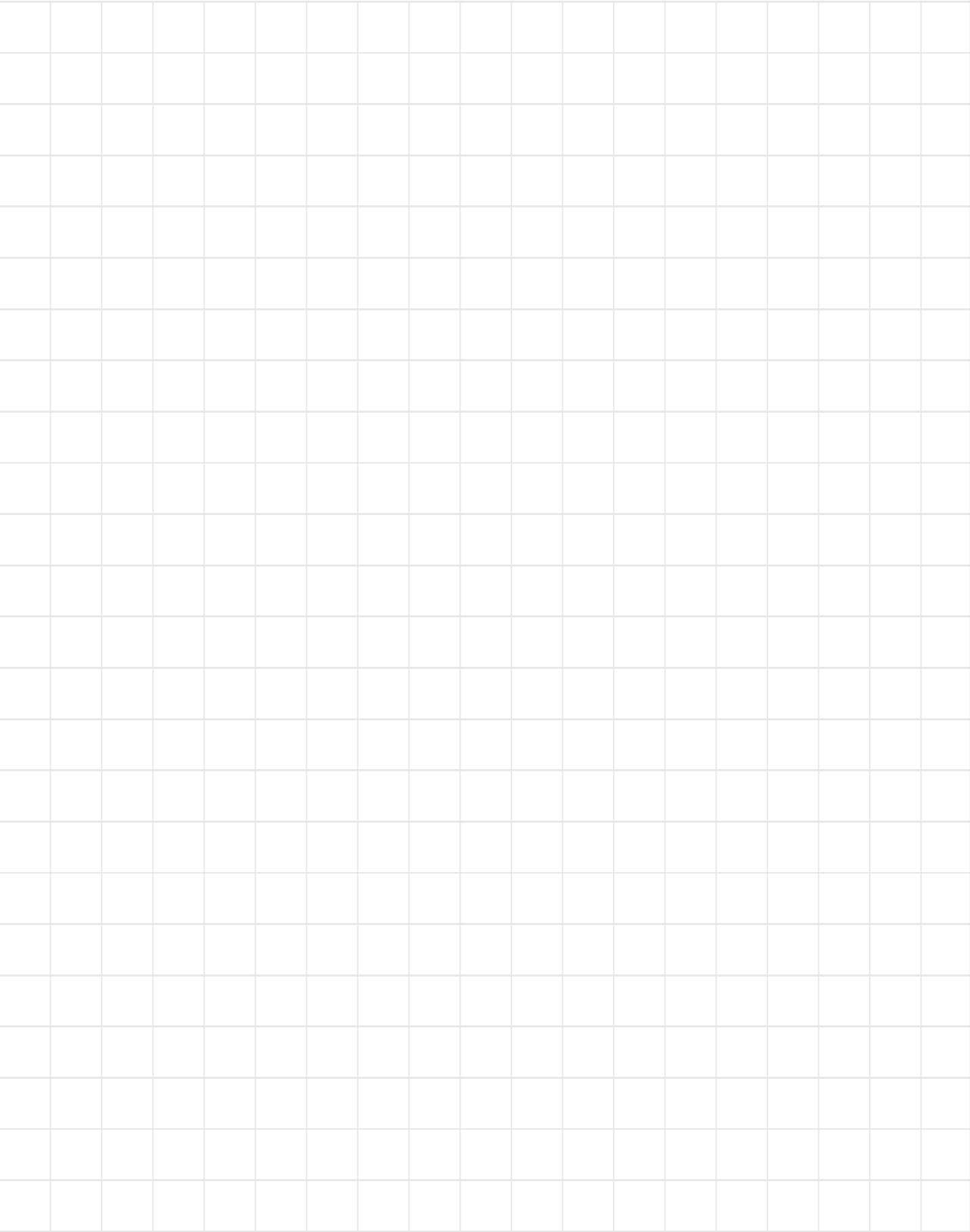
	Zoneworks HIVE
System Function	Emergency lighting testing & monitoring
Key Applications	All commercial buildings requiring automated emergency lighting compliance
Network Type	HIVE RF Network with DSM Meshing, reducing infrastructure needs
System Scalability Commissioning	Up to 1,000 fittings per RF controller, unlimited system-wide expansion
Commissioning Process	Self-configuring RF (DSM Meshing) network, significantly reducing site commissioning time, delivering a fully commissioned system faster and more efficiently
Bluetooth Connectivity	Smart devices (IOS & Android) can connect locally via our mobile access device
Real-time Monitoring	Emergency lighting system monitoring, compliance tracking and health
Security Features	AES128 CTR encryption, OMAC1 Message Integrity, unique encryption keys
User Access Control	Site Group Access for tailored system permissions
Live Floor Plans	Visual representation of fittings & system health
Lighting Control Functions	n/a
Alternative Solutions for RF-Restricted Areas	Supports wired integration compatible with HIVE2Wired Bridge & XT Data & Powerline
Product Availability	Now



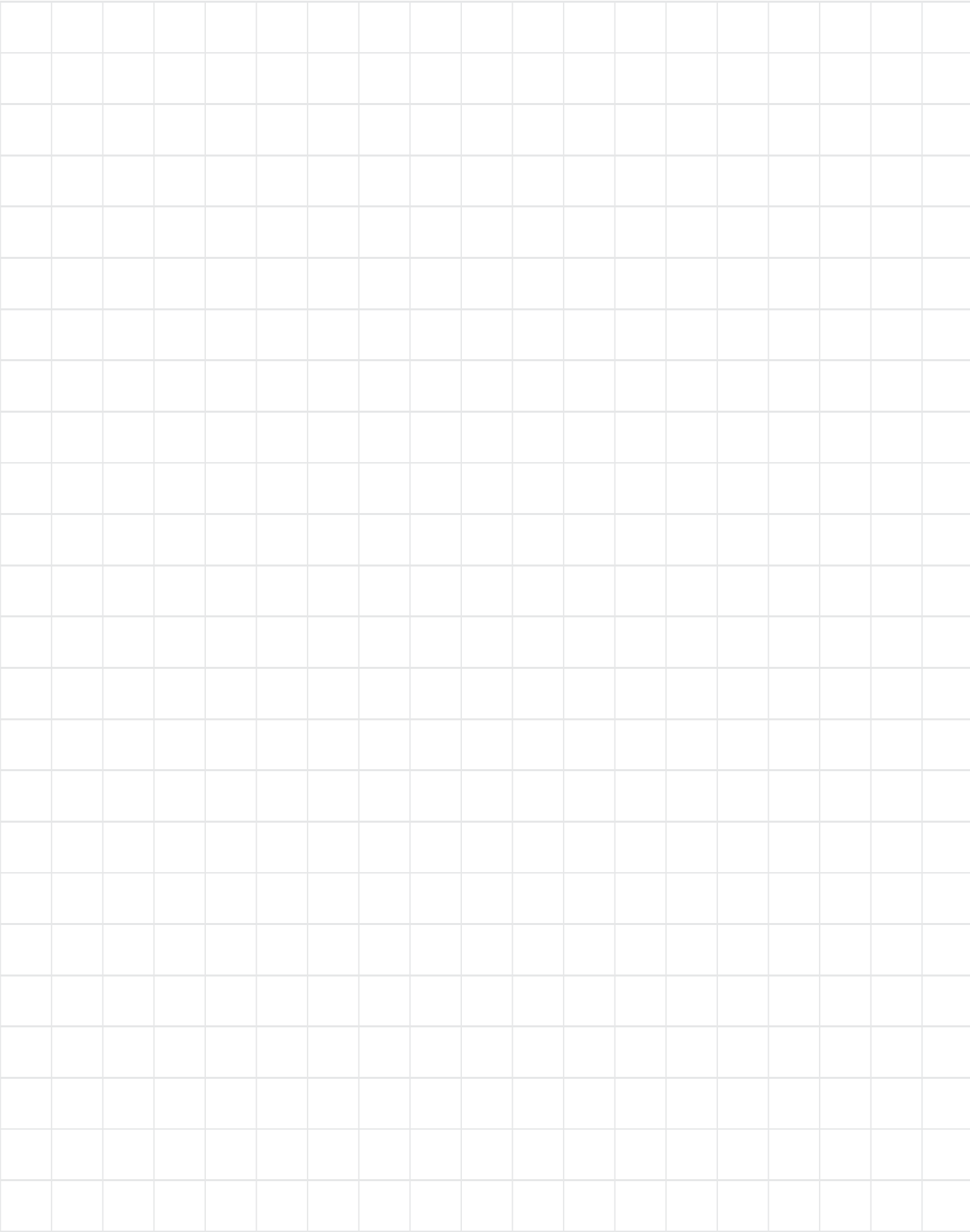
Notes



Notes



Notes



United Kingdom

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

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

clevertronics.co.uk
clevertronics.com.au
clevertronics.co.nz

