



# **SIMPLIFYING** EMERGENCY LIGHTING for Retail & Shopping Centres

## Simplified Emergency Lighting Solutions for Retail & Shopping Centres

### Smart, Flexible, and Effortless Compliance for Dynamic Retail Spaces

Retail complexes demand adaptable emergency-lighting solutions that keep pace with frequent tenancy changes, diverse fit-outs, and long trading hours. Emergency lighting must be easy to reconfigure, discreet in appearance, and reliable across high-traffic public areas and back-of-house zones.

For designers and landlords, seamless integration into modern retail environments — without disrupting store aesthetics or daily operation — is essential.

**Clevertronics simplifies every stage of the process — from design through to installation and long-term maintenance.**

## The Proven System for Smarter, Safer Retail Environments Zoneworks HIVE + L10 Nanophosphate

With Zoneworks HIVE wireless monitoring and L10 Nanophosphate® battery technology, retailers and landlords can achieve effortless compliance, long-life reliability, and flexible control across every tenancy and shared zone.

Whether it's a new development, refurbishment, or national retail portfolio, Clevertronics solutions deliver lower costs, faster installation, and complete confidence that your emergency lighting will perform when it matters most.



### NO BACKBONE CABLING WITH ZONEWORKS HIVE

Zoneworks HIVE uses Dynamic Self-Managed (DSM) Meshing to eliminate backbone cabling, simplifying coordination during tenancy changes or new-store fit-outs. The result — faster projects, cleaner ceilings, and greater flexibility for future refurbishments.



### FASTER INSTALL & COMMISSIONING WITH ZONEWORKS HIVE

Each HIVE fitting self-discovers and connects automatically to a single controller, reducing install time and streamlining commissioning — ideal for staged handovers or live-site upgrades.



### LOWER MAINTENANCE WITH L10 NANOPHOSPHATE

L10 Nanophosphate® batteries last up to three times longer than standard alternatives, reducing maintenance callouts and disruptions to tenants and trading operations.



### LIGHTING CONTROL MADE SIMPLE WITH HIVE COMBINE

HIVE Combine adds lighting control for car parks, back-of-house areas, and after-hours zones — cutting energy use and simplifying control without extra wiring or systems.



### SMARTER COMPLIANCE WITH ZONEWORKS HIVE DASHBOARDS

Automated testing, live floor plans, and real-time dashboards provide continuous visibility across shared areas and individual tenancies — ensuring effortless reporting and audit readiness.

## Partners in Compliance





# Trusted by Retail & Shopping Centres Around the World...



Canberra Outlet Centre - ACT, Australia



Queens Plaza, Brisbane - QLD, Australia



Oasis Broadbeach Shopping Centre - QLD, Australia



DFO South Wharf - VIC, Australia



Collins Food (KFC) - Australia

## Other notable locations

- Coles - Australia
- IKEA - Australia
- Woolworths - Australia
- Kmart - Australia
- Adelaide Central Market - SA, Australia
- Myer Centre - SA, Australia
- Eastern Creek Quarter Shopping Centre - NSW, Australia
- Queen Victoria Building (QVB), Sydney - NSW, Australia
- Caneland Central Shopping Centre, Mackay - QLD, Australia
- Westfield Shopping Centre, Burwood - NSW, Australia
- Indooroopilly Shopping Centre - QLD, Australia
- Mitchell Centre, Darwin - NT, Australia
- Karingal Shopping Centre - VIC, Australia
- Orion Shopping Centre, Springfield - QLD, Australia
- Top Ryde Shopping Centre - NSW, Australia
- Westfield Shopping Centre, Carindale - QLD, Australia
- Elisabeth Shopping Centre - SA, Australia
- Canberra Centre - ACT, Australia
- Ladbrokes - UK
- Tesco - UK
- Vodafone - UK
- Co Op - UK
- Marks and Spencer - UK
- 88 O'Connell Street, North Adelaide - SA, Australia
- Westfield Shopping Centre, Bondi - NSW, Australia
- Westfield Shopping Centre, Chatswood - NSW, Australia
- Westfield Shopping Centre, Liverpool - NSW, Australia
- Westfield Shopping Centre, Mt Druitt - NSW, Australia
- Westfield Shopping Centre, Belconnen - ACT, Australia
- Westfield Shopping Centre, Kotara - NSW, Australia
- Westfield Shopping Centre, Tuggerah - NSW, Australia
- Westfield Shopping Centre, Warringah - NSW, Australia
- Westfield Shopping Centre, Woden - ACT, Australia
- Gateway Shopping Centre, Palmerston - NT, Australia

...and **more**



# Zoneworks HIVE

## No Backbone Cabling. No Complexity. Built for Retail & Shopping Centres



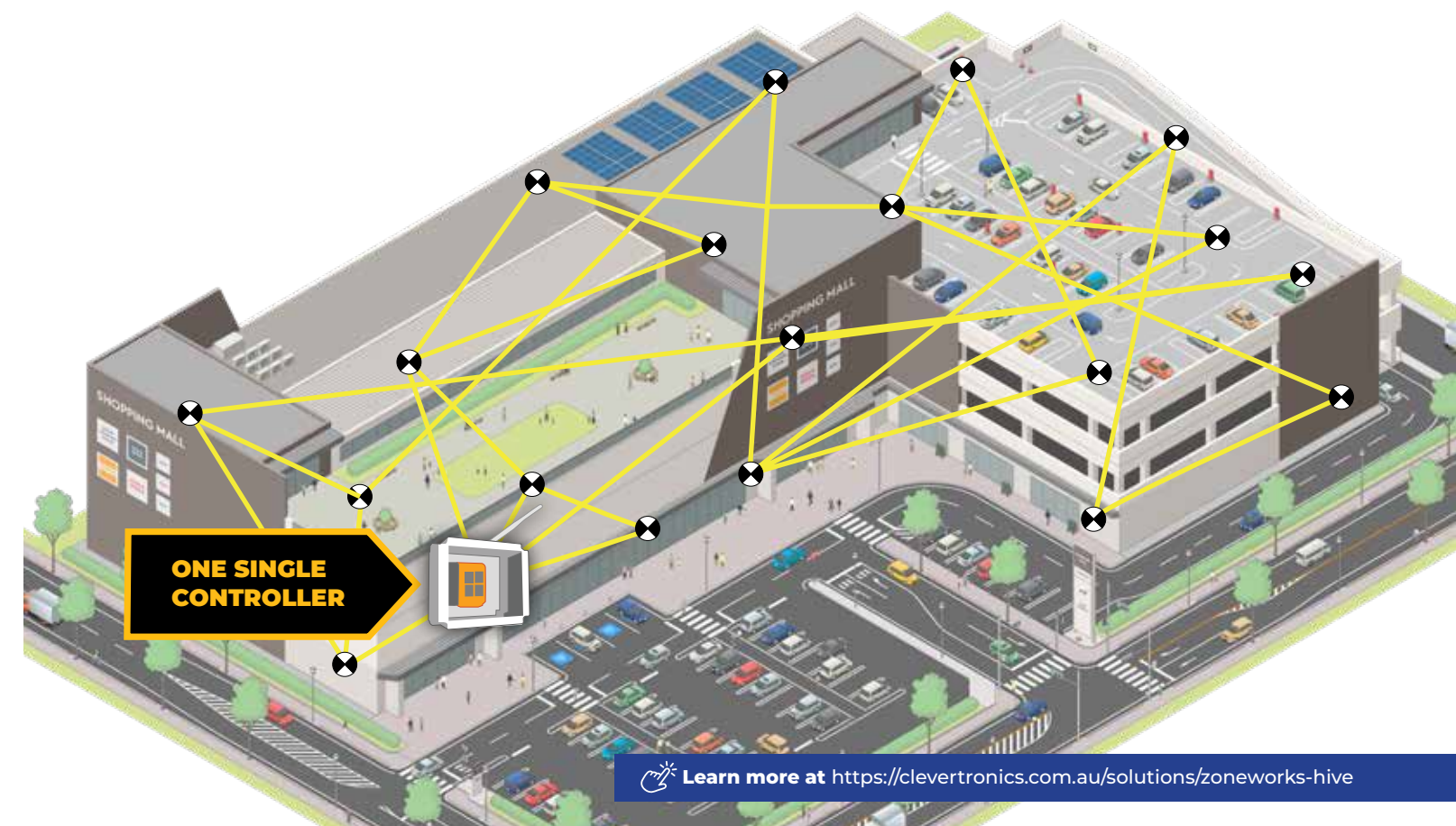
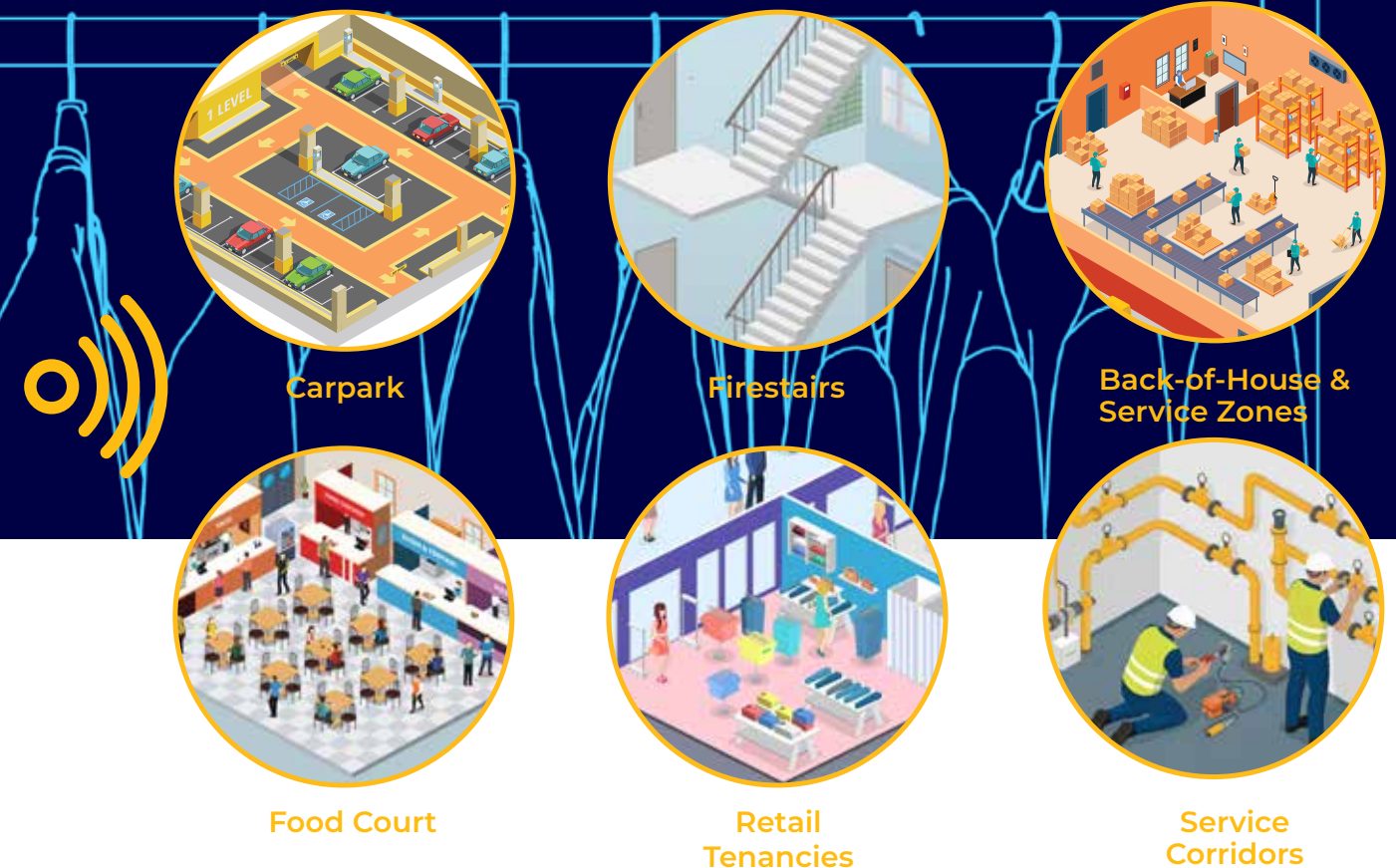
Modern retail and shopping centres require adaptable emergency-lighting systems that can keep pace with continual tenancy changes, complex layouts, and extended trading hours — while ensuring safety, compliance, and visual harmony across all spaces.

Zoneworks HIVE simplifies every stage — from initial design through commissioning and long-term management — by removing backbone cabling and connecting every fitting wirelessly through **Dynamic Self-Managed (DSM) RF Meshing**. The result: faster installations, cleaner ceilings, and flexible scalability as tenancies evolve.

This means:

- **Minimal Backbone Infrastructure** – One RF controller manages up to 1,000 fittings, eliminating backbone cabling and simplifying layouts during fit-outs or refurbishments.
- **Wireless Mesh Network** – No routers, repeaters, or data cables required — ideal for changing retail layouts and minimising ceiling congestion.
- **Scalable & Future-Proof** – Easily expand or reconfigure as stores relocate, merge, or refresh without recabling.
- **Auto-Configuring Dynamic Self-Managed (DSM) Meshing** – Reduce onsite time and simplify handover with instant connection and automated testing capability.
- **Remote Testing & Commissioning** – Reduce onsite time and simplify handover with instant connection and automated testing capability.
- **Automated Compliance Reporting** – Meets compliance standards with zero manual testing. Provides real-time dashboards and audit-ready data.
- **Real-Time Monitoring & Diagnostics** – Access live system performance from anywhere, ensuring system health and compliance visibility.

Whether it's a new shopping precinct, refurbishment, or national retail rollout, ZoneworksHIVE delivers a future-proof emergency-lighting system that's fast to install, easy to maintain, and adaptable to any retail environment across every site.



Learn more at <https://clevertronics.com.au/solutions/zoneworks-hive>



Canberra Outlet Centre - ACT, Australia



Queens Plaza, Brisbane - QLD, Australia



Oasis Broadbeach Shopping Centre - QLD, Australia



# Zoneworks HIVE

## Dynamic Self Managed (DSM) Meshing.

### Always Connected.



**Like bees working together in 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 maximises efficiency, reduces commissioning time, and simplifies ongoing system management—making installation and operation faster, smarter, and more reliable.

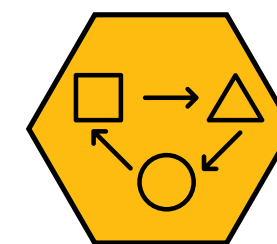
**DSM Meshing** makes **Zoneworks HIVE** a smart, self-sustaining, and future-proof emergency lighting system that guarantees performance in any environment.

## Key Features & Benefits of Dynamic Self-Managed (DSM) Meshing



### High Reliability & Availability

No single point of failure, ensuring uninterrupted operation.



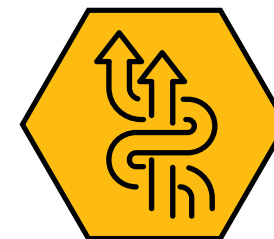
### Self-Healing & Adaptive Routing

Automatically finds the best data path, adapting to environmental changes.



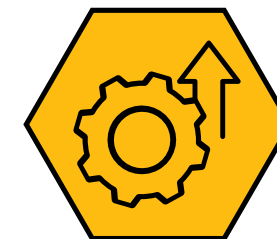
### Industry-Leading Security

With integrity, encryption, and device authentication ensures the most reliable, secure, and scalable emergency lighting system available today..



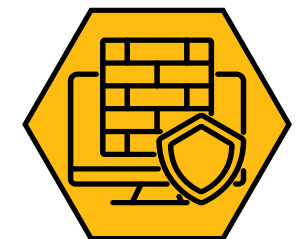
### Resilient in Dynamic Environments

Adapts to obstacles like walls, doors, or changing occupancy levels without impacting performance.



### Efficient Operation

Optimises the signal path, reducing energy use while maintaining performance.



### Prevents disruption

from other wireless systems by deploying multi-channel blacklisting, adaptive transmit power, short transit times, and retransmission of lost data.

 Learn more at <https://clevertronics.com.au/solutions/zoneworks-hive>



Canberra Centre - ACT, Australia



Top Ryde Shopping Centre - NSW, Australia



Collins Food (KFC) - Australia



# Zoneworks HIVE

*Now with*

## HIVE Combine Lighting Control at No Extra Cost

### ZONEWORKS®

# HIVE COMBINE

## Lighting control where it's always been needed — now built in.

Carparks, stairwells and back-of-house areas have long needed smarter lighting: occupancy control, scheduling and energy insights. **HIVE Combine now delivers all of this — standard with Zoneworks HIVE, at no extra cost.**

Using the same RF mesh and fittings as your emergency lighting system, HIVE Combine adds:

- **Occupancy-based control** for fire stairs and low-traffic zones
- **Timed lighting schedules** for plant and service areas
- **Group control and dimming** for large carparks
- **Live energy and system reporting** via the HIVE dashboard
- **Non-Emergency luminaires** can now be added to Zoneworks with HIVE Combine

**No extra hardware. No extra cabling. No separate system.**

For retail and shopping centres, it's the easiest way to improve lighting performance and efficiency using the system you're already installing.



**HIVE Combine** keeps building management simple. With energy use, occupancy, and system health all shown in an easy-to-use dashboard, you gain clear insights that save time, cut costs, and improve safety.

- **Save time** with clear insights into energy use, occupancy, and system health.
- **Cut costs** by identifying efficiency opportunities through simple dashboard reporting.
- **Improve safety** with real-time system health monitoring.
- **Stay in control** with an easy-to-use, data-rich dashboard.

## Functionality includes



Presence Detection



Absence Detection



Wall Switching



Bank Switching



Group Linking - Neighboring



Timed Events



Data Rich Dashboards

## HIVE Combine coming soon to the UK

Learn more at <https://clevertronics.com.au/solutions/zoneworks-hive-combine>

**coles** Coles - Australia

**Kmart** Kmart - Australia

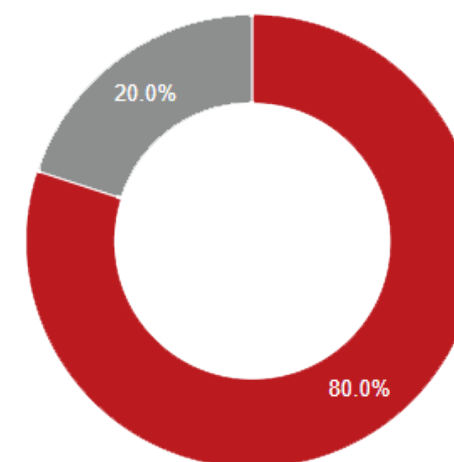
**Woolworths** Woolworths - Australia

# L10 Emergency Lighting

Built to Last.  
Proven in Retail & Shopping Centres



L10 Energy Savings vs. NiCD



**The first and only Nanophosphate® powered product on the market**

- **12-Year Design Life** — Engineered for longevity, L10 outlasts NiCd and LiFePO<sub>4</sub> alternatives by years, reducing replacement cycles.
- **10-Year Warranty (with HIVE)** — Backed by extensive testing and real-world results, giving shopping centre operators long-term confidence.
- **Lowest Total Cost of Ownership** — Extended life means fewer replacements and maintenance, delivering significant savings over time.
- **Sustainable by Design** — Fewer replacements over the system's life cycle mean reduced waste, lower resource use, and a smaller carbon footprint.
- **Proven Results** — Proven reliability in the field since 2012 with ~2,650 fittings installed at Marvel Stadium. After 10 years, 97.4% remain operational with minimal capacity loss, confirming unmatched reliability.

- ✓ Lowest total ownership cost
- ✓ 50% longer battery life vs any other lithium product
- ✓ 60% maintenance savings vs any other lithium product
- ✓ Standard Clevertest Plus

 Learn more at <https://clevertronics.com.au/solutions/l10-lithium-nanophosphate-range>



Eastern Creek Quarter Shopping Centre - NSW, Australia



Myer Centre - SA, Australia

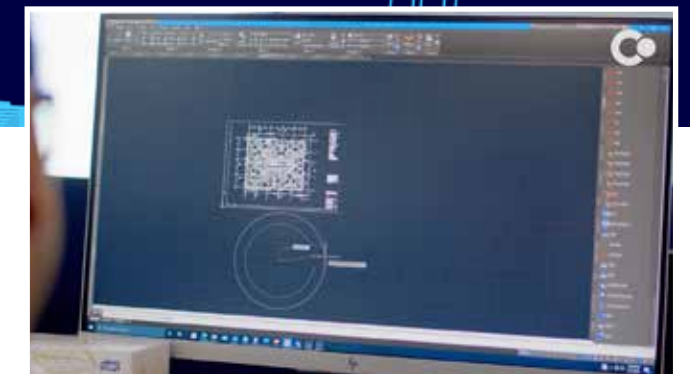


Queen Victoria Building (QVB), Sydney - NSW, Australia



# End-to-End Project Delivery. Backed by In-House Capability.

From early design to final commissioning, Clevertronics provides the support and expertise to deliver retail and shopping centre lighting projects on time, to spec, and without compromise. Our in-house teams work alongside yours to simplify the process and solve complex challenges across every stage.



## Lighting Design Expertise

Our team collaborates directly with consultants, engineers, and architects to develop efficient, compliant, and scalable lighting designs tailored to the unique environments found in retail and shopping centres.

## Custom Product Solutions

We engineer and supply bespoke fittings for unique architectural challenges — from high-mount concourses and fire stairs to heritage zones and hospitality areas — while meeting all compliance requirements.

## In-House Engineering, Prototyping, & QA Testing

Our Melbourne-based R&D and engineering teams design and certify custom luminaires using advanced thermal and photometric testing equipment. Every product is function-tested before dispatch — including battery performance, emergency duration, and wireless connectivity — to ensure zero on-site surprises and maximum reliability.

## On-Site Commissioning Support

Zoneworks HIVE systems are commissioned by Clevertronics experts, ensuring rapid setup, functional validation and dashboard configuration in line with your project schedule.

## Lifetime Technical Support (LTS)

Our LTS services ensure long-term system performance with ongoing diagnostics, firmware updates and system health checks — reducing maintenance burden while maximising compliance and energy efficiency over time.

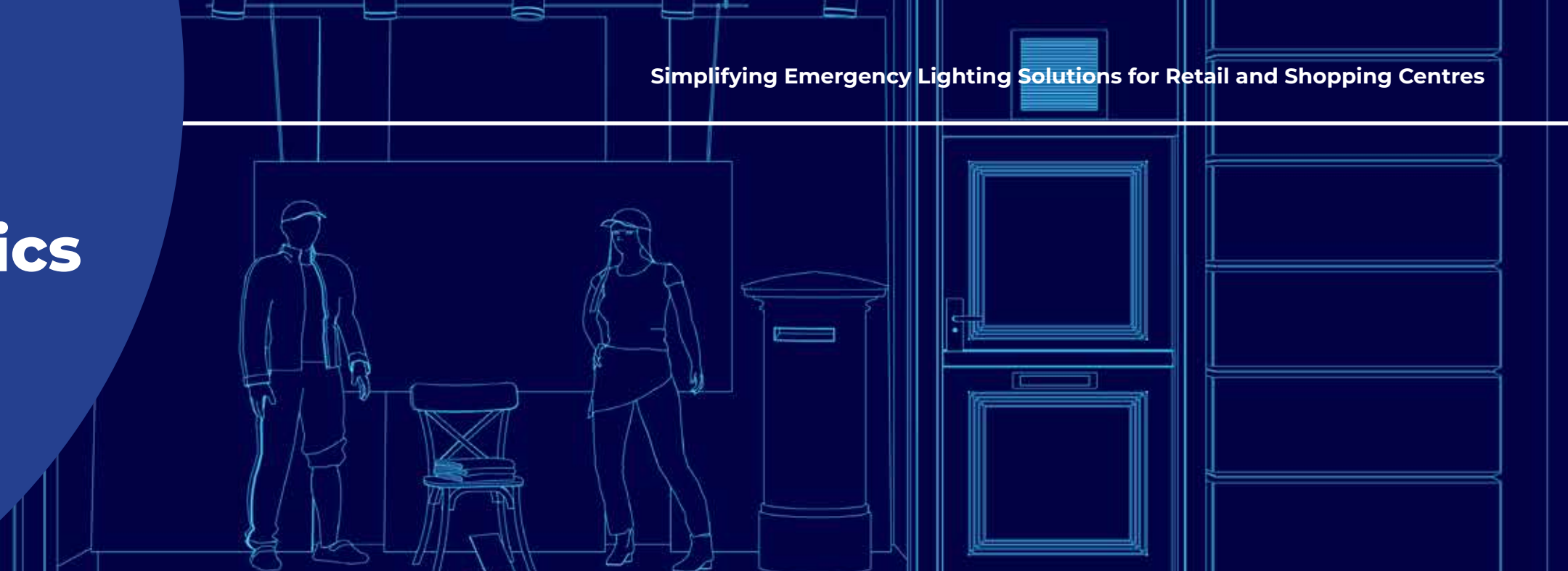
DFO South Wharf - VIC, Australia

Caneland Central Shopping Centre, Mackay - QLD, Australia

Westfield Shopping Centre, Burwood - NSW, Australia

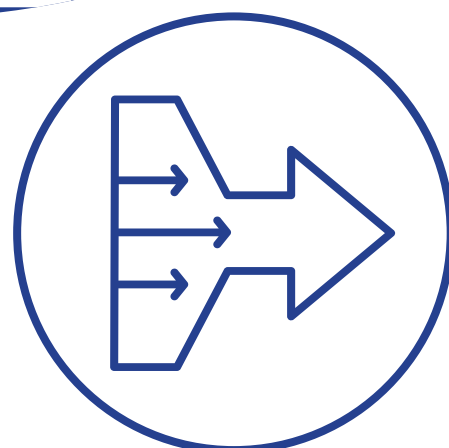


# Why **DESIGNERS** Choose **Clevertronics**



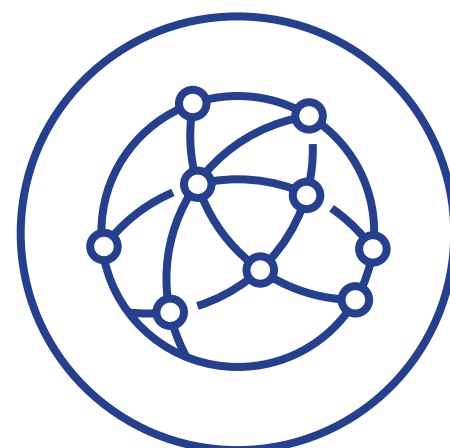
## Designed for Simplicity. Specified with Confidence.

Designing and specifying emergency lighting for retail and shopping centres requires flexibility, coordination, and confidence that systems can adapt as tenancies change. With Clevertronics, designers can specify a single, scalable platform that simplifies documentation, integration, and ongoing compliance — across every store, zone, and common area.



### SIMPLIFIED SYSTEMS LAYOUT

Zoneworks HIVE removes the need for backbone cabling, and utilizes only one controller per 1,000 fittings, simplifying plans for even the most complex retail and shopping centres.



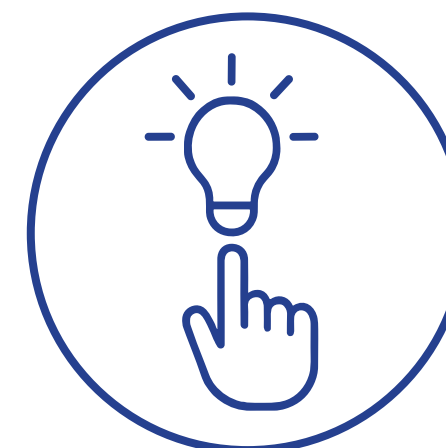
### ONE SYSTEM, COMPLETE COVERAGE

Zoneworks HIVE supports every environment across a shopping centre — from carparks and fire stairs to food courts, tenancies, and back-of-house zones — all within a single wireless system. This unified approach simplifies coordination between design teams, contractors, and tenants.



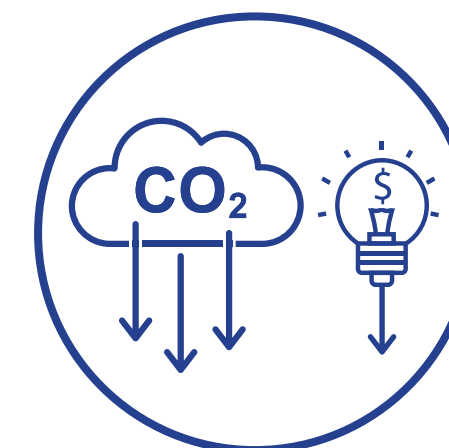
### COMPREHENSIVE PRODUCT RANGE

Architectural exit signs, dynamic exit signage, and discreet low-profile emergency fittings — all within the same system. This allows consistent aesthetics and compliance performance across every space, from the car park to retail tenancies.



### LIGHTING CONTROL SIMPLIFIED

HIVE Combine adds smart lighting control for carparks, stairwells, and after-hours zones — reducing energy use without extra cabling or system complexity.



### BUILT TO LAST. BETTER FOR THE PLANET

Clevertronics' L10 Nanophosphate® batteries offer a 12-year design life — reducing maintenance, waste, and lifecycle costs. It's a tangible contribution to corporate ESG and sustainability objectives.

Contact us for Zoneworks HIVE Specification Templates



Indooroopilly Shopping Centre - QLD, Australia



Mitchell Centre, Darwin - NT, Australia



Karingal Shopping Centre - VIC, Australia



# Why **CONTRACTORS** Choose **Clevertronics**



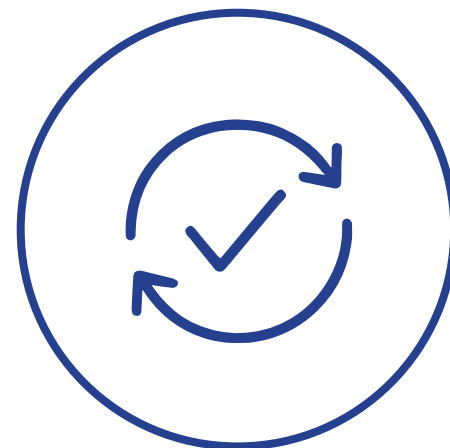
## Faster Installs. Fewer Delays. Less Hassle.

From first fix to final commissioning, Clevertronics products and systems are designed to save time, reduce labour, and simplify coordination with other trades — making installation faster and more predictable in live retail environments.



### NO BACKBONE CABLING

With Zoneworks HIVE, there's no need to run dedicated data cabling between fittings. This eliminates backbone congestion in ceiling spaces and service corridors — cutting install time, minimising after-hours work, and avoiding clashes with other services during tenancy fit-outs or refurbishments.



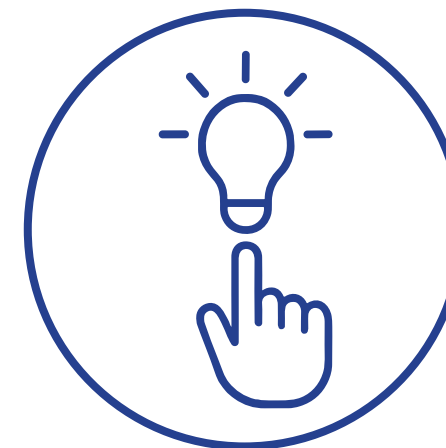
### AUTO CONNECT FITTINGS

Zoneworks HIVE fittings automatically locate the controller and configure themselves on power-up. There's no manual address setup or programming on ladders — just fast, reliable connections out of the box.



### ONE CONTROLLER. ONE DASHBOARD

A single controller per area or building manages all emergency fittings, with a simple browser interface for setup and testing. It removes the need for multiple hardware components and allows for remote support if needed.



### LIGHTING CONTROL SIMPLIFIED

With HIVE Combine, smart control for stairwells and carpark comes standard — no added cabling, systems, or commissioning steps required.



### RELIABLE, SUPPORTED, & PROVEN

Our dedicated project support team works closely with installers from day one. Clevertronics provides documentation, technical support and commissioning help to ensure smooth delivery — with decades of experience and reference projects to prove it.



Orion Shopping Centre, Springfield  
- QLD, Australia



Westfield Shopping Centre,  
Carindale - QLD, Australia



Elisabeth Shopping Centre - SA,  
Australia



# Why **FACILITY MANAGERS** Choose **Clevertronics**



**Less Maintenance. More Uptime. Complete Control.**

Clevertronics gives retail and shopping centre facility teams complete visibility and control of their emergency lighting systems — reducing maintenance costs, minimising tenant disruption, and ensuring compliance across every tenancy and shared area.



## PEACE OF MIND

12-year maintenance-free exit and emergency lights with a 10-year warranty to reduce the need for ongoing maintenance and replacements. That means fewer disruptions for tenants and confidence your system will perform when it matters most.



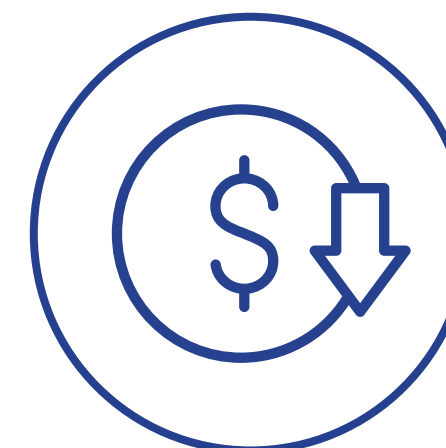
## AUTOMATED TESTING & REPORTING

Zoneworks HIVE handles all AS/NZS 2293 test requirements automatically, with detailed logs and exportable reports. No manual testing. No chasing paper. Just one-click compliance, site-wide.



## LIVE SYSTEM MONITORING

Access real-time alerts and system diagnostics from a single dashboard. Identify faults instantly, see battery health at a glance, and manage your entire site — or portfolio — remotely.



## LOWER ON-GOING COSTS

The combination of fewer battery changes, minimal labour, and less need for access equipment leads to dramatic long-term savings. Lower total cost of ownership isn't just a claim — it's backed by 10-year warranty and decades of data.



## BUILT IN ENERGY INSIGHTS

With HIVE Combine, facilities teams can see occupancy patterns, lighting schedules and energy use from the same platform. This creates opportunities to improve efficiency, reduce load, and enhance sustainability — without installing a second system..



Ladbrokes - UK



Vodafone - UK



Co Op - UK



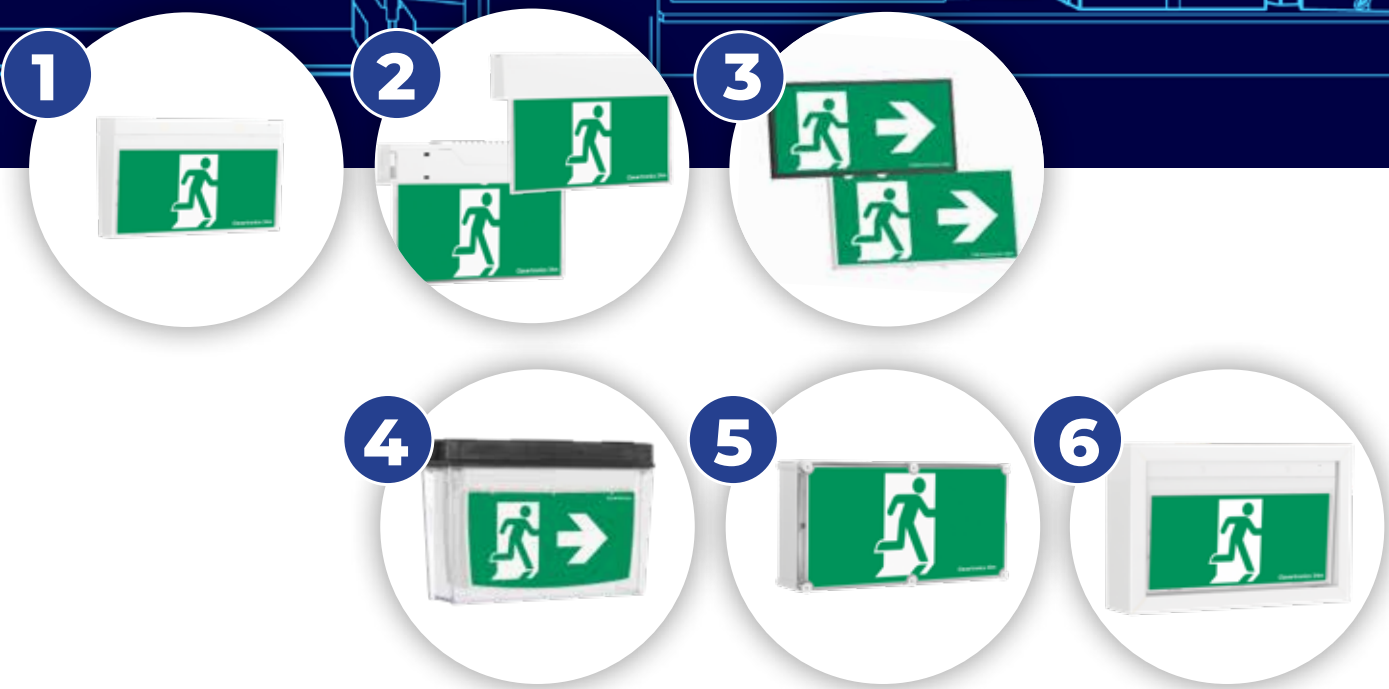
# Clevertronics Emergency Exit Lights



## Clevertronics Emergency Lights

	Product	Description	IP Rating	IK Rating	ZW HIVE
1	Lifelight Pro Recessed	Recessed mounted, lithium powered LED emergency	IP20	-	✓
2	Lifelight Pro Recessed Splashproof	Splash resistant, recessed mounted, lithium powered LED emergency light (optional Corridor Lens available)	IP44*	-	✓
3	Lifelight Pro Surface Mount	Surface mounted, lithium powered LED emergency	IP20	-	✓
4	Lifelight Pro Surface Mount Weatherproof	Weatherproof, surface mounted, lithium powered LED emergency light	IP65	-	✓
5	Supalite	LED emergency flood light with dual swivel heads (IP20 or IP65 Weatherproof options available)	IP20/IP65	-	✓
6	Lifelight Pro Cylinder	Sleek architectural design where high classification and aesthetics are important	IP20/IP65	-	✓

\*Lamp head only



## Clevertronics Exits

	Product	Description	IP Rating	IK Rating	ZW HIVE
1	Cleverfit Pro (24m ANZ, 30m UK)	Slimline exit with slide connect steel bracket for easy install. Suits both wall or ceiling mount	IP20	-	✓
2	Ultrablade Pro (24m ANZ, 30m UK)	Recessed or surface mounted, low profile, blade style exit	IP20	-	✓
3	Form (16m ANZ, 20m UK)	Featuring an elegant and size optimised anodised aluminium frame, the Form is a versatile architectural solution available in multiple configurations	IP20	-	✓
4	Weatherproof (24m ANZ, 30m UK)	Robust and weatherproof exit designed for wall or ceiling mount applications	IP66/67	IK10	✓
5	Weatherproof (40m ANZ, 50m UK)	Robust and weatherproof exit designed for wall or ceiling mount applications	IP66	IK09	✓
6	Vandal Resistant (24m ANZ, 30m UK)	High impact IK12 rated exit that utilises the Cleverfit PRO within a powder coated steel enclosure	IP20	IK12	✓

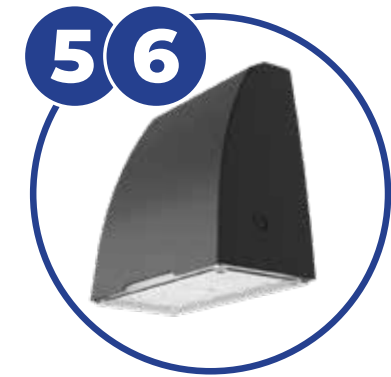


# Clevertronics Products for Retail & Shopping Centres



## Clevertronics **Battens**

	Product	Description	IP Rating	IK Rating	ZW HIVE
1	<b>Epic Indoor</b>	Indoor batten range featuring switchable color and optional sensor	IP20	-	✓
2	<b>Epic Indoor Emergency</b>	Lithium powered indoor batten range featuring switchable color and optional sensor	IP20	-	✓
3	<b>Argonaut Plus</b>	High efficacy, switchable colour and dual output	IP65	IK08	✓
4	<b>Argonaut Plus Emergency</b>	Lithium powered emergency, high efficacy, switchable colour and dual output	IP65	IK08	✓
5	<b>Argonaut Vandal</b>	An IP66 and IK11 luminaire that provides options where a higher level of impact protection is required	IP66	IK11	✓
6	<b>Argonaut Vandal Emergency</b>	Available in L10 Nanophosphate® with up to D63/ D32 emergency classification	IP66	IK11	✓



## Clevertronics **Battens & Circulares**

	Product	Description	IP Rating	IK Rating	ZW HIVE
1	<b>Circlite</b>	All new sleek design featuring switchable colour and optional sensor	IP20	-	✓
2	<b>Circlite Emergency</b>	Lithium powered All new sleek design featuring switchable colour and optional sensor	IP20	-	✓
3	<b>Bunkalite</b>	Constructed with an IK10 impact rated, powdercoated steel body, and IP65 rated that is ideal for outdoor covered applications such as corridors, stairwells and walkways in schools and apartment blocks	IP65	IK10	✓
4	<b>Bunkalite Emergency</b>	Lithium powered with D32/D32 emergency classification	IP65	IK10	✓
5	<b>Argo Wall</b>	Crafted with a marine-grade die-cast aluminium body, IK10 impact rating, and IP65 ingress rating, the Argonaut Wall illuminates external egress paths with reliability.	IP65	IK10	✓
6	<b>Argo Wall Emergency</b>	Crafted with a marine-grade die-cast aluminium body and up to D125 emergency classification, the Argonaut Wall illuminates external egress paths with reliability.	IP65	IK10	✓



# Clevertronics Products for Retail & Shopping Centres

## CleverEVAC

### A new path forward for exit signage

CleverEVAC is a system and suite of dynamic EXIT signs that provide increased visibility, audible cues, and negative enforcement options.

The work conducted by the Fire Safety Engineering Group (FSEG) at the University of Greenwich led to the development of the CleverEVAC Dynamic Signage product range. The FSEG, and also the University of Leeds have provided the required research, experience and trials of dynamic EXIT signage and locatable sound technology.

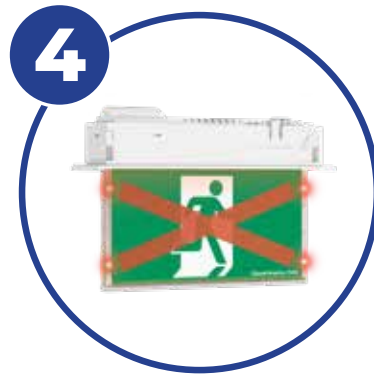
CleverEVAC is a tool for Fire Safety Engineers to consider for use in fire engineered / performance solutions and also in designs where an increased visibility EXIT sign is preferred.



Dynamic Green  
Positive Enforcement



Dynamic Red X  
Negative Enforcement



## Clevertronics **Dynamic Exits**

	Product	Description	IP Rating	IK Rating	ZW HIVE
1	CleverEvac Dynamic Green	Displays Illuminated green arrow, when activate, to enhance exit path	IP20	-	✓
2	CleverEvac Dynamic Green Blade	Blade style exit, displays Illuminated green arrow, when activate, to enhance exit path	IP20	-	✓
3	CleverEvac Dynamic Red X	Displays red cross when activated to alter those evacuating to seek alternative exit. Also has Dynamic Green function	IP20	-	✓
4	CleverEvac Dynamic Red X Blade	Blade style exit, displays red cross when activated to alter those evacuating to seek alternative exit. Also has Dynamic Green function	IP20	-	✓
5	CleverEvac SoundEscape	Broadcast audible location sounds such as 'Exit Here'. Available with Dynamic Green & Dynamic Red	IP20	-	✓



## Notes



**Victoria**

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Fax: +61 3 9559 2799

**New South Wales**

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

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**United Kingdom**

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