



SIMPLIFYING EMERGENCY LIGHTING for Stadiums & Sporting Complexes

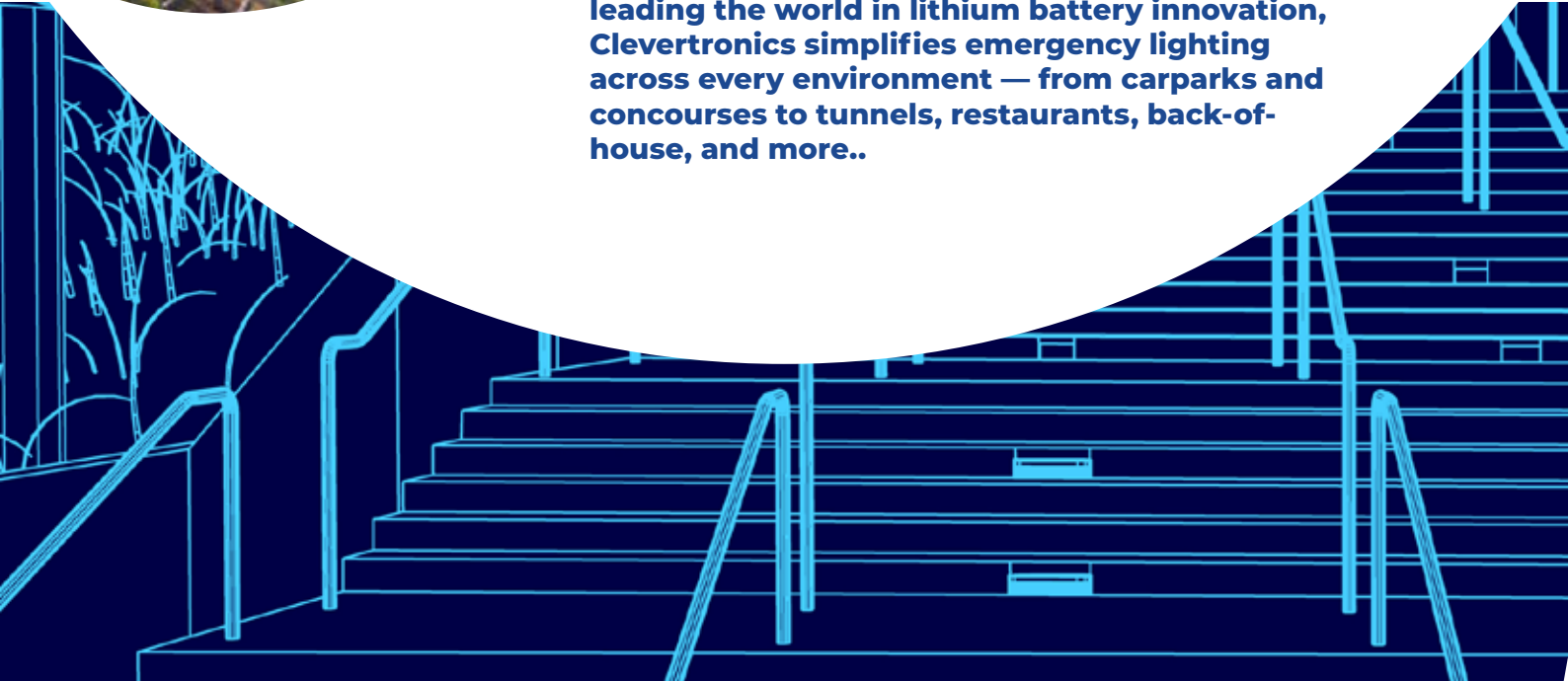


Simplified Emergency Lighting Solutions for Stadiums & Sporting Complexes

Designing emergency lighting for stadiums and sporting complexes is uniquely challenging. These environments are vast, dynamic, and complex—requiring a solution that's not only compliant, but reliable, scalable, and easy to manage.

Clevertronics delivers that solution.

With over 4,000 Zoneworks HIVE sites and leading the world in lithium battery innovation, Clevertronics simplifies emergency lighting across every environment — from carparks and concourses to tunnels, restaurants, back-of-house, and more..



Partners in Compliance



Meet the Stadium Standard: **Zoneworks HIVE + L10 Nanophosphate**

Clevertronics combines **Zoneworks HIVE**, a wireless monitoring and control system, with **L10 Nanophosphate**, the longest-lasting battery technology available—delivering unmatched performance for stadium projects of any scale.



NO BACKBONE CABLING WITH ZONEWORKS HIVE

Zoneworks HIVE is a wireless network with Dynamic Self-Managed (DSM) Meshing - eliminating backbone cabling and simplifying system design across large, multi-zone venues.



FASTER INSTALL & COMMISSIONING WITH ZONEWORKS HIVE

Zoneworks HIVE fittings self-discover and connect to a single controller, reducing install time and streamlining commissioning..



LOWER MAINTENANCE WITH L10 NANOPHOSPHATE

L10 Nanophosphate batteries last 2–3x longer than alternatives, reducing callouts, disruptions, and replacement costs—especially in hard-to-access areas.



LIGHTING CONTROL MADE SIMPLE WITH HIVE COMBINE

Zoneworks HIVE Combine enables lighting control and energy management for carparks, stairwells, and BOH—without additional wiring or systems.



SMARTER COMPLIANCE WITH ZONEWORKS HIVE DASHBOARDS

Automated testing, live floorplans, and real-time compliance dashboards make Zoneworks HIVE ideal for venues needing ongoing visibility and audit readiness.

Trusted by Leading Stadiums from Around the World...



Melbourne Cricket Ground - VIC Australia



Marvel Stadium - VIC Australia



Adelaide Oval, SA Australia



AAMI Park - VIC Australia



Optus Stadium - WA Australia



Suncorp Stadium – QLD Australia



CBUS Super Stadium - QLD Australia

Other notable locations

- GIO Stadium - ACT Australia
- Whitten Oval – VIC Australia
- GMHBA Stadium – VIC Australia
- One New Zealand Stadium – Christchurch New Zealand
- Qudos Bank Arena – NSW Australia
- HBF Stadium – WA Australia
- WACA Ground - WA Australia
- Stoke City Stadium – Stoke-on-Trent UK
- Coopers Stadium – SA Australia
- Queensland Country Bank (Cowboys) Stadium – QLD Australia
- HBF Park – WA Australia
- Sam Kerr Football Centre - WA Australia

...and **Sporting Complexes**



Pat Rafter Arena, QLD Australia



Stromlo Leisure Centre - ACT Australia



State Netball & Hockey Centre - VIC Australia



RAC Arena - WA Australia



Moana Sports & Recreational Pool - NZ



Nissan Arena - QLD Australia

- Newcastle Knights Centre of Excellence – NSW Australia
- Wests Tigers Centre Of Excellence - NSW Australia
- Wests Tennis Centre – NSW Australia
- MyState Bank Arena – TAS Australia
- Maribyrnong Aquatic Centre – VIC Australia
- Surf Coast Aquatic & Health Centre – VIC Australia
- Melbourne Sports and Aquatic Centre - VIC Australia
- BMS National Rugby Training Centre – QLD Australia
- Brisbane International Cycle Park – QLD Australia
- SpeedDome – WA Australia
- Western Australian Institute of Sport – WA Australia
- Murray Aquatic Leisure Centre – WA Australia
- Parramatta Aquatic Centre - NSW Australia

Other notable locations

- Parakiore Recreation & Sports Centre – Christchurch New Zealand
- Ken Rosewall Arena – NSW Australia
- Sleeman Sports Complex – QLD Australia
- Anna Meares Velodrome – QLD Australia
- Parramatta Aquatic Centre – NSW Australia

...and **more**

Zoneworks HIVE

No Backbone Cabling.
No Complexity.
Built for Stadiums.



Large stadiums and sporting venues are some of the most complex buildings to design, construct, and maintain — with sprawling layouts, multiple structures, and a wide variety of spaces like carparks, fire stairs, restaurants, museums, and back-of-house areas.

Zoneworks HIVE removes the complexity. Instead of running kilometres of data cable through concrete, steel, and multi-level structures, HIVE uses **Dynamic Self-Managed (DSM) RF meshing** that connects every emergency fitting automatically.

This means:

- **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.
- **Auto-Configuring Dynamic Self-Managed (DSM) Meshing** – Devices self-connect, reducing setup time.
- **Remote Testing & Commissioning** – Reduce time spent on-site and simplify handover.
- **Automated Compliance Reporting** – Meets standards with no manual testing. Industry grade encryption and site security
- **Real-Time Monitoring & Diagnostics** – Get instant system health updates.

Whether it's a new build or a staged upgrade, Zoneworks HIVE delivers a future-proof emergency lighting system that's ideal for stadiums — fast to roll out, easy to scale, and simple to manage across a complex site.

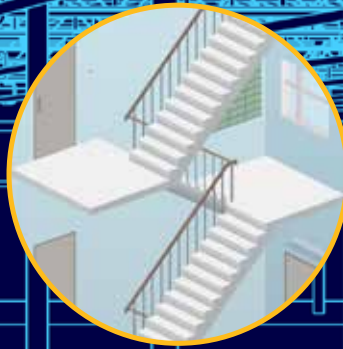
An aerial photograph of Suncorp Stadium in Queensland, Australia. The stadium is a large, modern structure with a white roof and red seating. It is surrounded by greenery and other buildings. The text "Suncorp Stadium – QLD Australia" is overlaid on the right side of the image.

Suncorp Stadium – QLD Australia

Simplifying Emergency Lighting Solutions for Stadium & Sporting Complexes



Carpark



Firestairs



Back-of-House & Service Zones



Concourse & Public Areas



Hospitality



Retail



AAMI Park - VIC Australia

Adelaide Oval, SA 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.



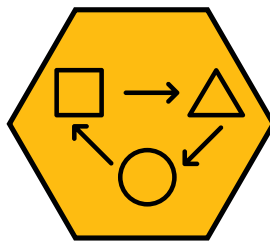
RAC Arena Tennis Court
WA Australia

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.



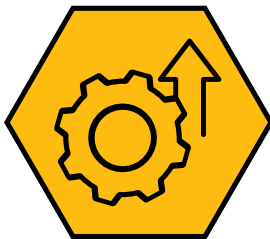
Industry-Leading Security

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>



Nissan Arena - QLD Australia



Parakiore Recreation & Sports Centre
- Christchurch New Zealand

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



Pat Rafter Arena, QLD Australia



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

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

Ken Rosewall Arena – NSW Australia

RAC Arena Tennis Court
- WA Australia

L10 Emergency Lighting

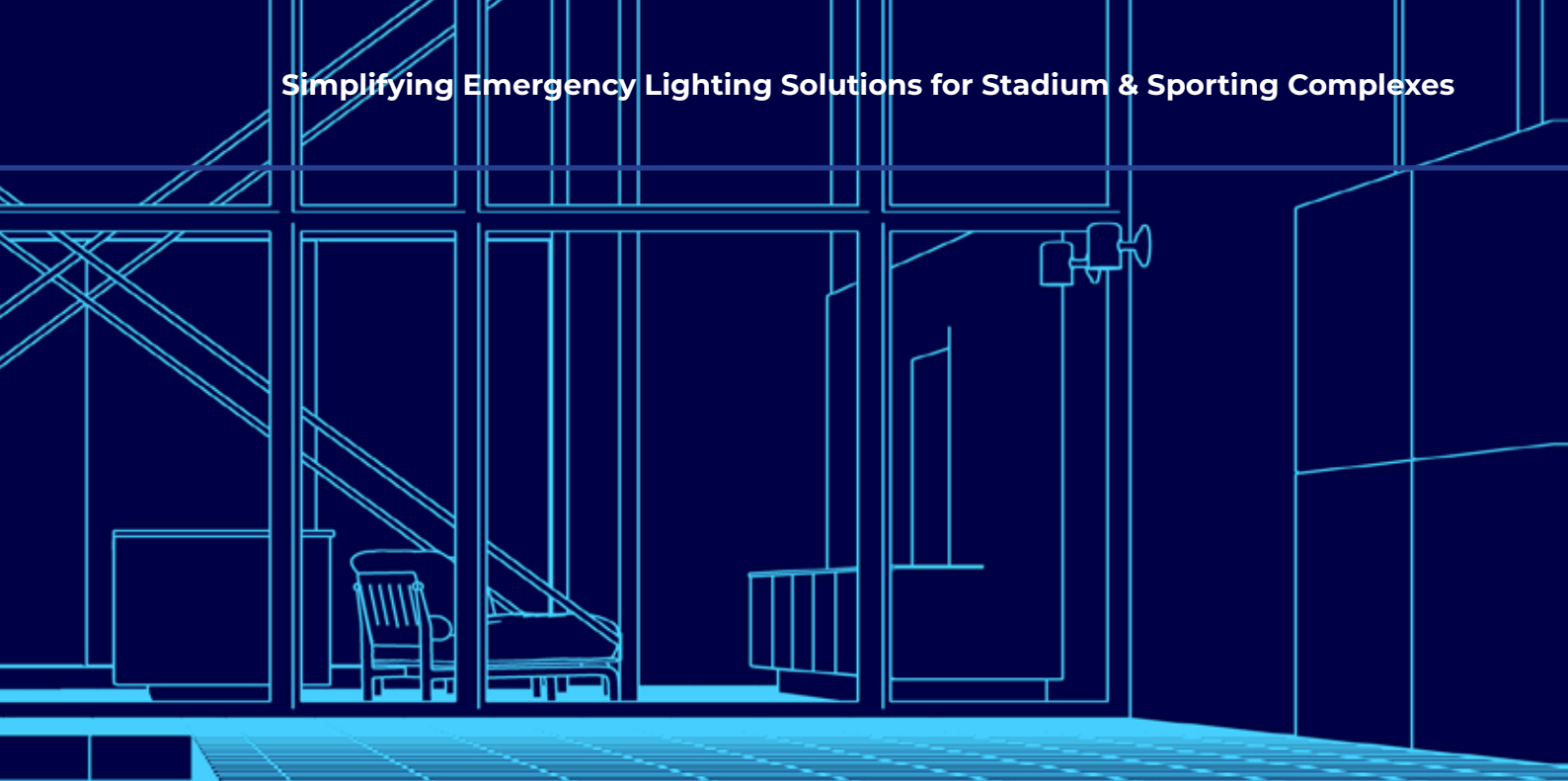
Built to Last.
Proven in
Stadiums



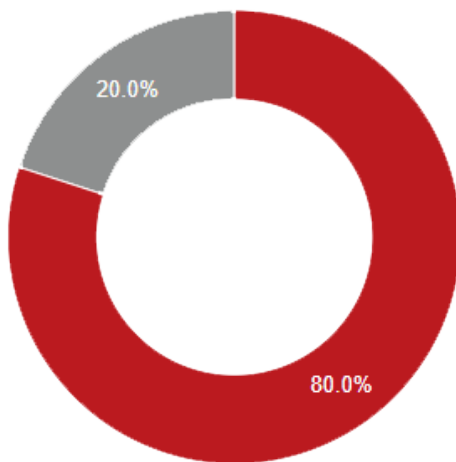
Why L10 is the Smarter Choice;

- **12-Year Design Life** — Engineered for longevity, L10 outlasts NiCd and LiFePO₄ alternatives by years, reducing replacement cycles.
- **10-Year Warranty (with HIVE)** — Backed by extensive testing and real-world results, giving stadium 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.
- **Marvel Stadium Proven** — Proven reliability in the field since 2012 with ~2,650 fittings. After 10 years, 97.4% remain operational with minimal capacity loss, confirming unmatched reliability.

Melbourne Cricket Ground - VIC Australia



L10 Energy Savings vs. NiCD



The first and only Nanophosphate® powered product on the market

- ✓ 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>



Marvel Stadium - VIC Australia



GIO Stadium - ACT 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 stadium 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 stadiums and sporting complexes.

Custom Product Solutions

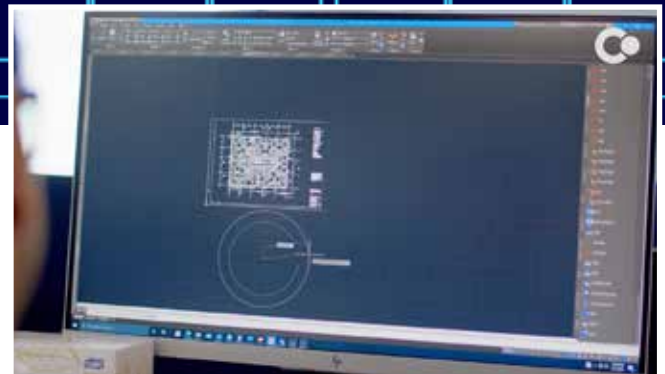
We engineer and supply bespoke fittings for unique architectural challenges — from high-mount concourses and fire stairs to heritage zones and hospitality areas — while meeting all compliance requirements.

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.



Wests Tigers Centre Of Excellence -
NSW Australia



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.

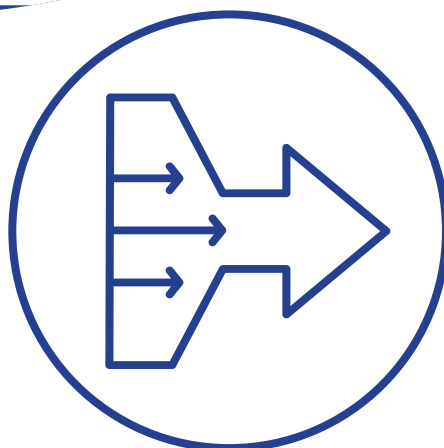


Why **DESIGNERS** Choose **Clevertronics**



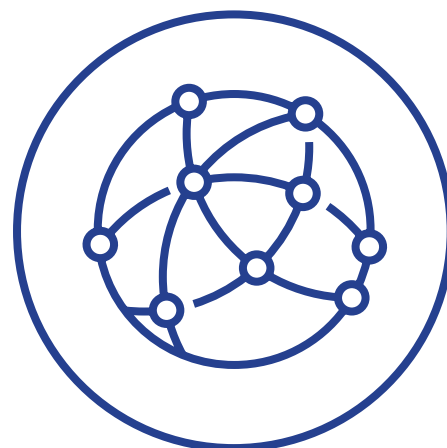
Designed for Simplicity. Specified with Confidence.

Designing and delivering emergency lighting for a stadium is no small feat — but with Clevertronics, it becomes simpler, faster, and far more reliable.



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 multi-building stadium sites.



ONE SYSTEM, COMPLETE COVERAGE

Zoneworks HIVE supports every environment in the stadium — from concourses and fire stairs to hospitality suites and back-of-house. Designers can specify a single platform across all emergency lighting needs, simplifying integration, drawings, and project specifications.

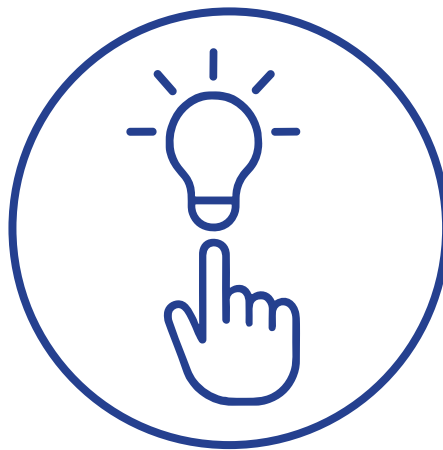
Contact us for Zoneworks HIVE Specification Templates

Stromlo Leisure Centre - ACT Australia



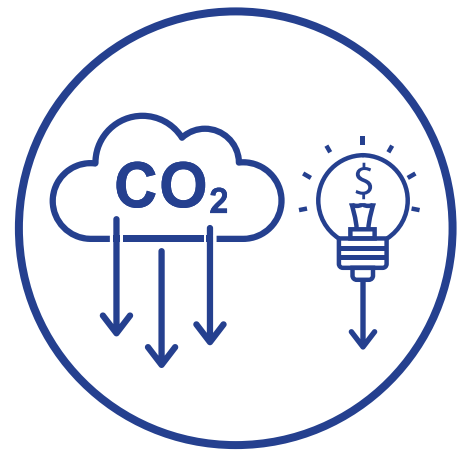
COMPREHENSIVE PRODUCT RANGE

Architectural exit signs, high-impact battens, dynamic exit signage and IP-rated weatherproof fittings — all available within the same system. This ensures compliance across diverse zones while giving flexibility to meet the aesthetic and performance needs of each space.



LIGHTING CONTROL SIMPLIFIED

HIVE Combine allows you to include smart lighting control for Car Parks, Stairwells, and Back-of-House areas without adding a separate system or extra cabling or complexity to your design.



BUILT TO LAST. BETTER FOR THE PLANET

Clevertronics' L10 Nanophosphate battery technology offers a 12+ year design life, dramatically reducing battery replacements and waste. It's a practical step toward greener building outcomes and long-term sustainability goals.



Parramatta Aquatic Centre –
NSW Australia



Adelaide Oval, SA Australia

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



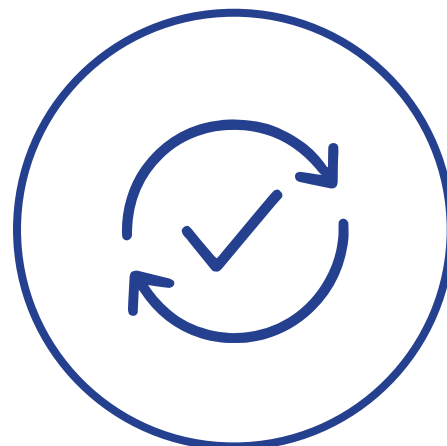
Faster Installs. Fewer Delays. Less Hassle.

From first fix to final commissioning, Clevertronics products and systems are designed to save time, reduce labour, and make installations smoother.



NO BACKBONE CABLING

With Zoneworks HIVE, there's no need to run dedicated data cabling between fittings. This eliminates backbone complexity across fire-rated areas, risers, high ceilings and vast concourses — cutting hours from install time and simplifying coordination with other services.



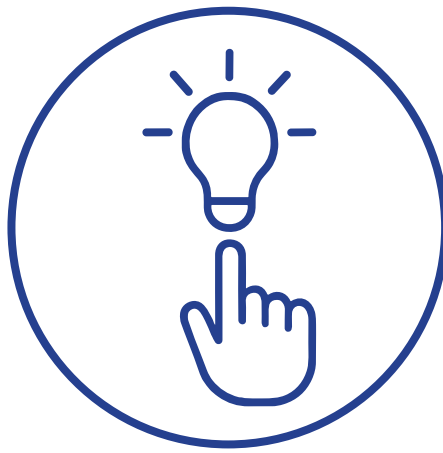
AUTO CONNECT FITTINGS

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 carparks 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.



HBF Stadium – WA Australia



Coopers Stadium – SA Australia

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



Less Maintenance. More Uptime. Complete Control.

Clevertronics gives stadium FMs full control of their emergency lighting — with lower costs, fewer disruptions, and trusted support.



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



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.

Anna Meares Velodrome – QLD Australia

Simplifying Emergency Lighting Solutions for Stadium & Sporting Complexes



LIVE SYSTEM MONITORING

Receive 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, FMs 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.



SpeedDome – WA Australia



Brisbane International Cycle Park – QLD Australia

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

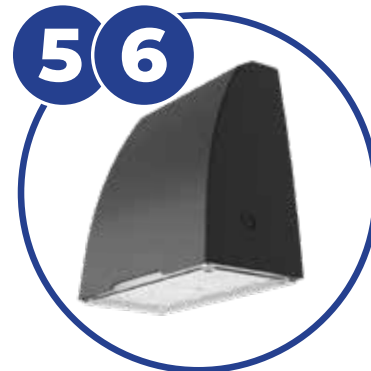
| | Product | Description | IP Rating | IK Rating | ZW HIVE |
|---|--|---|-----------|-----------|---------|
| 1 | Cleverfit Pro (24m ANZ, 30m UK) | Slimline exit with slide connect steel bracket for easy install. Suits both wall or ceiling mount | IP20 | - | ✓ |
| 2 | Ultrablade Pro (24m ANZ, 30m UK) | 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 Stadiums



Clevertronics Battsens

| Product | Description | IP Rating | IK Rating | ZW HIVE |
|------------------------------------|--|-----------|-----------|---------|
| 1 Epic Indoor | Indoor batten range featuring switchable color and optional sensor | IP20 | - | ✓ |
| 2 Epic Indoor Emergency | Lithium powered indoor batten range featuring switchable color and optional sensor | IP20 | - | ✓ |
| 3 Argonaut Plus | High efficacy, switchable colour and dual output | IP65 | IK08 | ✓ |
| 4 Argonaut Plus Emergency | Lithium powered emergency, high efficacy, switchable colour and dual output | IP65 | IK08 | ✓ |
| 5 Argonaut Vandal | An IP66 and IK11 luminaire that provides options where a higher level of impact protection is required | IP66 | IK11 | ✓ |
| 6 Argonaut Vandal Emergency | 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 | Circlite | All new sleek design featuring switchable colour and optional sensor | IP20 | - | ✓ |
| 2 | Circlite Emergency | Lithium powered All new sleek design featuring switchable colour and optional sensor | IP20 | - | ✓ |
| 3 | Bunkalite | 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 | Bunkalite Emergency | Lithium powered with D32/D32 emergency classification | IP65 | IK10 | ✓ |
| 5 | Argo Wall | 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 | Argo Wall Emergency | 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 Stadiums

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.

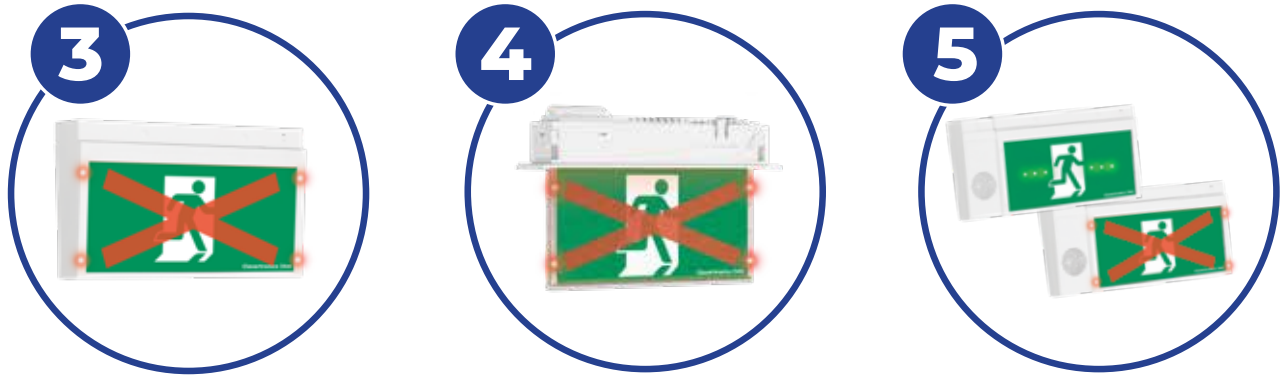
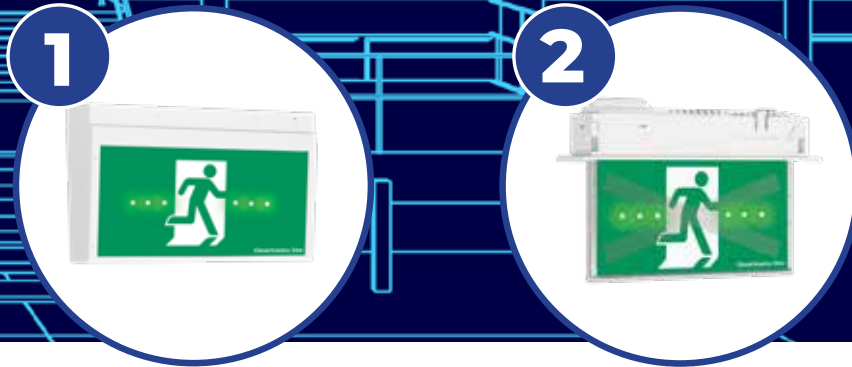
CleverEVAC is a tool for Fire Safety Engineers to consider for use in fire engineered / performance solutions and also in designs where an increased visibility EXIT sign is preferred.



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 | - | ✓ |

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