



Lighting that changes how cities work,
and how people live.

Complete urban lighting, made simple

Lusety's smart urban lighting ecosystem. Overview.

Complete urban lighting, made simple

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1. About Lusety

How Lusety was born

While technology has rapidly advanced, lighting infrastructure has lagged behind.

Inefficient, outdated, and disconnected from today's urban needs, public lighting is no longer fit for purpose. Cities face rising energy costs, increasing public safety concerns, and growing pressure to meet ambitious sustainability targets, all while operating with limited resources.

That's where Lusety decided to step in. Only we didn't begin with a product.

But with a question: *What if lighting could do more? What if streetlights could think, respond, and communicate?*

What if light itself could become a foundation for a more connected urban future?

Real-world challenges. Real-world solutions.

We believe that lighting is more than mere infrastructure. It's a foundation for safer, smarter, and more connected communities.

As such, we work hand in hand with cities, urban planners, and distributors to deliver real-world solutions to real-world challenges. Every feature in our ecosystem is always co-developed with municipalities to ensure relevance and reliability.

Beyond lighting: what we do

We help cities go further than just upgrading LED lights. We enable municipalities to cut unnecessary energy use, improve nighttime visibility and public safety, and modernize without tearing up existing infrastructure.

But our impact doesn't stop at lighting.

Every city is different: its needs, pace, and challenges. That's why we built Lusety to adapt, scale, and connect. Our solution lays the groundwork for more complex smart urban systems, acting as a dependable backbone for future technologies, from air quality sensors to traffic control.

With Lusety, lighting becomes a launchpad. A network that not only illuminates streets today but opens doors to what cities will need tomorrow.

Our promise

Whether you're looking to reduce energy bills, improve nighttime safety, or unlock long-term smart city potential, Lusety gives you the tools to make it happen.

Transforming light. Improving lives.
That's what we do.

2. Lusety's smart urban lighting ecosystem

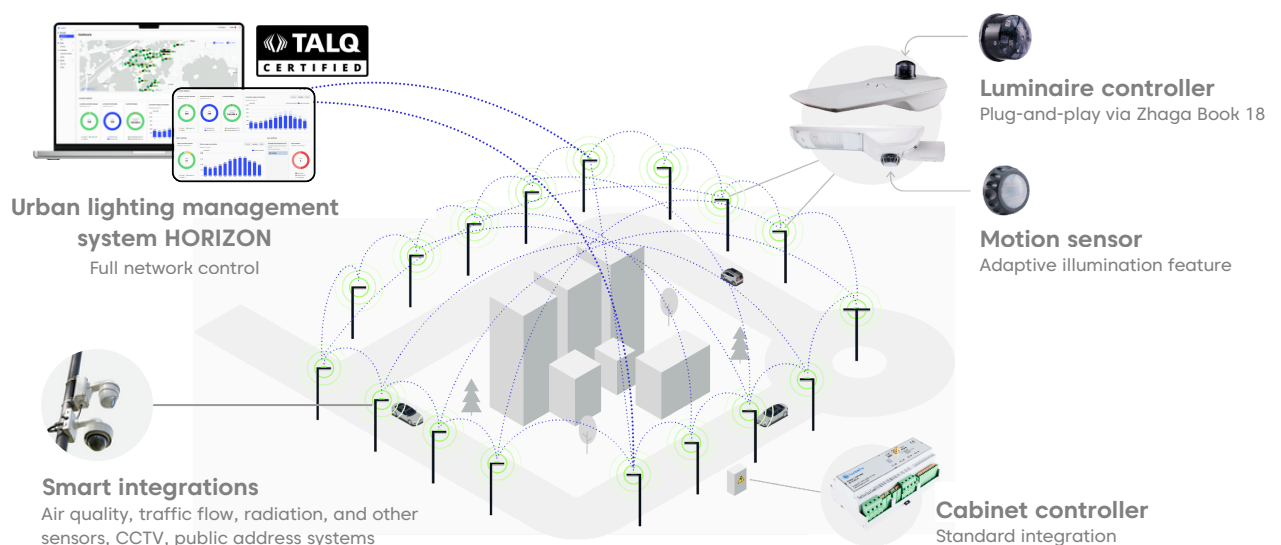
2.1. Overview

Built together with cities, for cities, Lusety's smart urban lighting ecosystem helps cities reduce energy waste, improve safety, and prepare for a connected future—all through one unified platform.

From a single dashboard, cities can track performance, receive instant fault alerts, and optimize energy use. Predictive maintenance tools reduce downtime and prevent costly service calls, while the built-in support for third-party sensors—like air quality, noise, or traffic—means the system grows together with the city's evolving needs.

Built on open standards, the ecosystem integrates easily with third-party systems, from traffic flow and radiation sensors to endless other smart city applications. This scalable design allows cities to modernize at their own pace, starting with lighting and growing toward broader infrastructure goals.

Lusety's ecosystem brings together everything needed to run urban lighting smarter—and opens the door to the future of smart cities.



2.2. Ecosystem's components

Behind every deployment is a thoughtfully designed set of components that work together to deliver real-time responsiveness, long-term energy savings, and effortless management.

Each piece of the ecosystem is purpose-built to solve real municipal challenges, from reducing operational costs to increasing safety, improving illumination quality, the perception of comfort to eliminating unnecessary energy waste.

It's a complete solution designed for real-world challenges: easy to deploy, simple to operate, and flexible enough to meet changing needs.

This means faster project approvals, less hassle during installation, and reliable performance that reduces the burden on city staff and partners alike. With Lusety, smart lighting isn't just a concept; it's a practical, working system that delivers measurable benefits from day one.



Luminaire controllers **LIGHTWAVE & LIGHTWAVE-LTE**

Installed directly on luminaires via Zhaga Book 18 sockets, these controllers enable individual light points to dim or brighten based on real-time activity and scheduling.



Motion sensor

Detects pedestrians, cyclists, and vehicles—regardless of their speed or direction—and triggers lighting adjustments automatically to ensure safety without energy waste (adaptive lighting).



Cabinet controller **LIGHT KEEPER**

Manages urban street lighting networks. Enables centralized control over groups of luminaires and street-level infrastructure.



Urban lighting management platform **HORIZON**

A centralized management software that lets cities monitor, control, and optimize their lighting networks. With real-time data, comprehensive configuration, and predictive maintenance tools, HORIZON gives full visibility without complexity.

2.3. Key benefits



Save up to 80% on energy

True adaptive lighting adjusts in real time to street activity, dimming when no one's around and brightening only when needed, cutting energy waste without compromising safety.



One-tap control (centralized management)

A single platform gives full visibility and direct control over the entire urban lighting network, simplifying operations and scheduling.



Cut maintenance costs by up to 20%

Remote monitoring, automated alerts, and smart diagnostics reduce unnecessary site visits, saving time, labor, and budget.



Make the decisions with real-time insights

Detailed city-wide network status, illumination performance, and usage data provides actionable insights for optimizing energy use and planning infrastructure upgrades effectively.



Spot issues before residents do

Automated infrastructure monitoring pinpoints exactly when, where, and why luminaire failures occur, enabling cities to quickly address issues and maintain public trust.



No limits to what you can build

Built with open standards like TALQ, Zhaga, DALI in mind, Lusety's centralized platform can easily integrate third-party smart devices, ranging from sensors to city-wide security systems.



Meet sustainability goals

By reducing electricity use, extending luminaire lifespans, and minimizing unnecessary light, cities lower emissions and light pollution, in turn effortlessly reaching their green targets.



Connect directly with expert support

Access to Lusety's specialized technical customer assistance ensures quick resolution of issues, supporting smooth operation and peace of mind.

2.4. Extensive features

SMART LIGHTING CONTROL

Adaptive lighting

Automatically adjusts brightness in real time based on motion detection and tracking to optimize energy use without sacrificing safety.

Illumination scheduling management

Create custom lighting schedules for various days or conditions to maximize efficiency and resident comfort.

Energy-saving dimming profiles

Preset dimming strategies reduce light levels during low-traffic hours while maintaining safe visibility.

MONITORING & DIAGNOSTICS

Automated fault detection and diagnostics

Automated monitoring detects malfunctions instantly, providing immediate alerts on location and cause to minimize downtime.

Energy consumption analytics and reporting

Data tracking across locations and time enables energy audits, benchmarking, and optimization recommendations.

Real-time network monitoring

Continuously oversee system health to quickly identify and address performance issues.

CENTRALIZED MANAGEMENT

Cloud-based management platform

Remote control and monitoring of the entire lighting network from one intuitive dashboard with scheduling, group management, and live status updates.

User role management and permissions

Customizable access controls allow multiple stakeholders to securely manage lighting operations based on roles.

Map-based lighting control

An interactive map-based interface allows operators to monitor and manage lighting assets by location.

SMART CITY INTEGRATIONS

Multi-sensor integration

Easily connect motion, air quality, noise, or other environmental sensors for data-driven urban management.

Open API interoperability

Integrate other smart city technologies and infrastructure systems.

Scalable architecture

Expand from a small pilot to a city-wide network while ensuring safety, performance, and quality of life for city dwellers.



2.5. True adaptive lighting

Rethinking movement-based lighting

Traditional motion-based lighting often relies on pre-defined scenarios: fixed assumptions about how people or vehicles move.

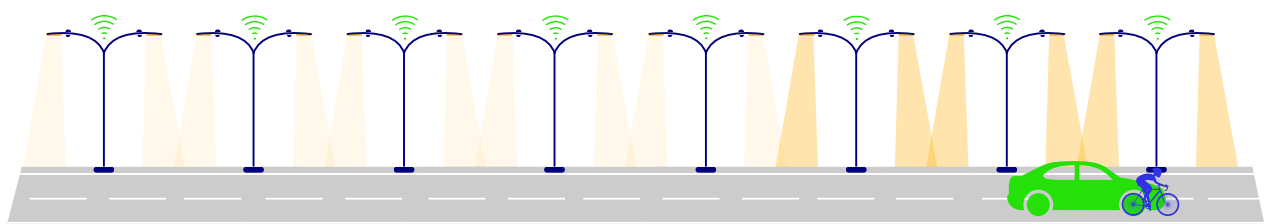
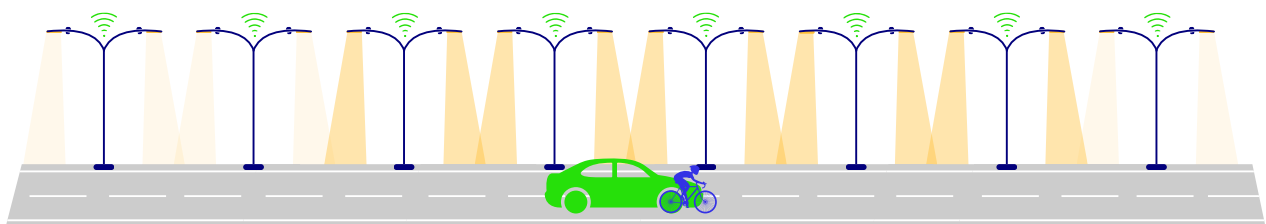
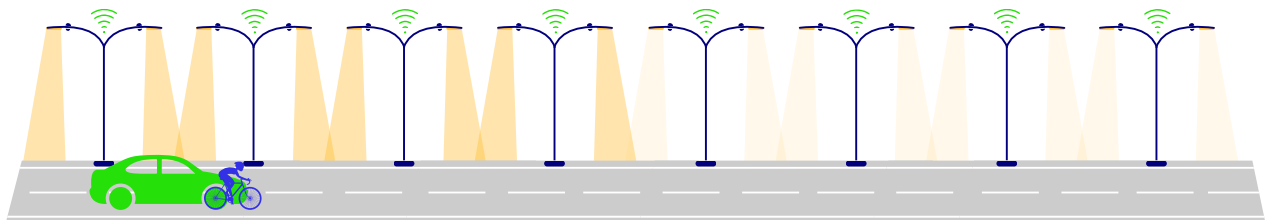
These setups attempt to predict the direction and speed of a moving object, but fall short when real-world behavior deviates.

A scooter rider going faster than expected can outrun the light, entering darkness while luminaires illuminate behind them. Or if a pedestrian stops, the lights will continue to activate ahead of them, leaving the person in the dark.

But Lusety's adaptive lighting doesn't follow a script. As the object moves, the surrounding luminaires dynamically adjust their illumination levels: lights ahead brighten, while those behind dim, forming a responsive bubble of light that moves with the object.

No matter the object's direction changes, speed variations, or unpredictable stops, the lighting adapts instantly.

This requires no extra programming work, and cities can easily set up the scenarios they need, ensuring safety, comfort, and energy efficiency without compromise.



3. Urban lighting management platform HORIZON



3.1. General overview

HORIZON is a modular lighting control system that provides municipalities and urban managers with full, remote control over their public lighting infrastructure, 24/7.

HORIZON improves energy efficiency, reduces maintenance requirements, extends luminaire lifespan, improves lighting quality, and facilitates smarter infrastructure management and urban planning.

It enables:

- Visualization of the lighting network via maps
- Smart automation of maintenance and performance alerts
- Centralized decision-making through powerful analytics
- Adaptive lighting based on real-time inputs
- Integration with external sensors, such as air quality or traffic sensors.

3.2. Key benefits

STRATEGIC



Maximize energy efficiency

HORIZON adjusts lighting levels based on time, traffic, and environmental conditions, reducing electricity consumption by up to 80%.



Reduce maintenance costs

Predictive maintenance tools and automated fault detection reduce emergency callouts and lower maintenance expenses by up to 20%.



Control the infrastructure from one place

Monitor, configure, and control the entire urban lighting network remotely through a single, cloud-based management platform.



Enable true adaptive lighting

Lighting intensity adapts in real time to motion, its direction and speed, and traffic flow, ensuring safety and energy savings.

CUSTOMIZATION



Customize illumination scenarios

Design and manage personalized illumination scenarios for different city zones, public events, or yearly seasons.



Visualize infrastructure geographically

An interactive map displays the real-time status of controllers, fault locations, and performance stats throughout the city.

OPERATIONAL CONTROL



Scale easily as the city grows

HORIZON's modular architecture allows smooth integration of new zones, luminaire or cabinet controllers, and various sensors.



Gain real-time operational insights

Live monitoring of infrastructure status and energy usage enables faster issue resolution and more informed operational decisions.

MAINTENANCE EFFICIENCY



Receive smart fault notifications

Alerts with 3-level priority levels instantly notify operators of anomalies, malfunctions, issues, or network failures.



Accelerate deployment & set-up

The plug-and-play installation method and the 3-step connection method lets you quickly add new controllers and configure profiles via HORIZON.

SECURITY



Customize user access & roles

Role-based control lets administrators assign specific user permissions based on their level of access or job seniority.



Ensure data security

All data is protected by multi-layer security protocols including the two-factor authentication and access controls.

ENVIRONMENTAL MONITORING & SUSTAINABILITY



Integrate environmental intelligence

Connect external sensors to measure air quality, noise, radiation, or traffic, and turn the lighting infrastructure into a smart urban backbone.



Check on your sustainability reporting

Detailed dashboards display actual versus nominal energy use, enabling you to predict your CO₂ savings and identify long-term trends.

3.3. Architecture

HORIZON is composed of the following layers:

Devices: ranging from cabinet controllers and luminaire controllers to motion sensors, with the option to add environmental sensors.

Connectivity layer: a secure cloud and server-based communication.

Management platform: the cloud-based system automates, manages, and controls the entire network from one dashboard.

HORIZON has a flexible, modular structure that allows cities to easily scale their lighting management system as needed.

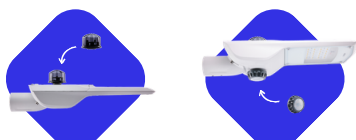
Whether a city is starting with just a few controllers or expanding to manage thousands, the platform can grow smoothly without disrupting existing operations.

This approach also makes it straightforward to integrate various sensors into HORIZON, creating a complete and adaptable smart city ecosystem.



3.4. How all components connect

1. PLUG



Luminaire controller

Motion sensor

Install controllers and sensors (plug-and-play)

2. CONNECT



Lusety installation app

Connect hardware to software

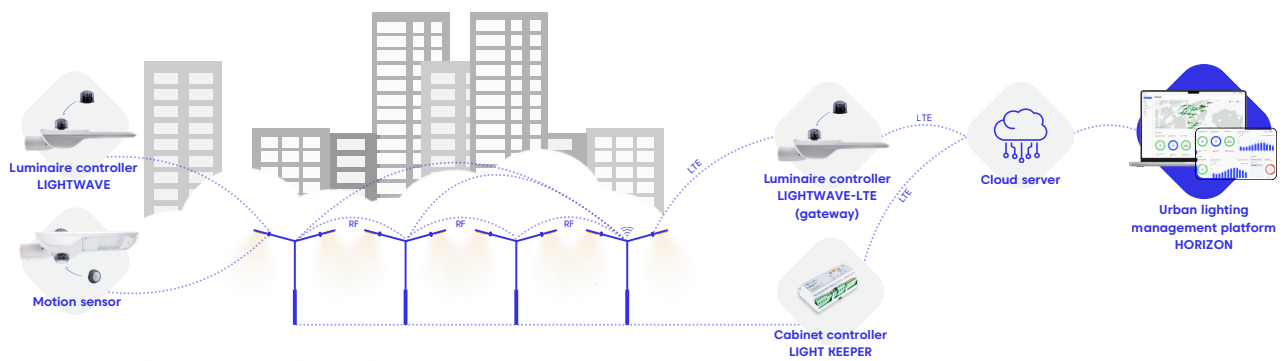
3. MANAGE



HORIZON

Control the entire urban lighting network remotely

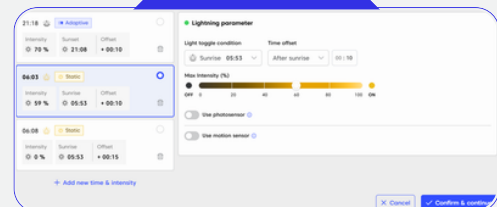
3.5. Urban lighting management platform's position in a city's lighting infrastructure



3.6. Functionality at the core

1. CUSTOM ILLUMINATION SCENARIOS

- Create fully customized lighting schedules by zone (e.g., streets, parks, neighborhoods).
- Assign illumination programs based on time, weekday/weekend, seasons, or public events.
- Use pre-set scenarios to manage recurring lighting needs in any urban area.

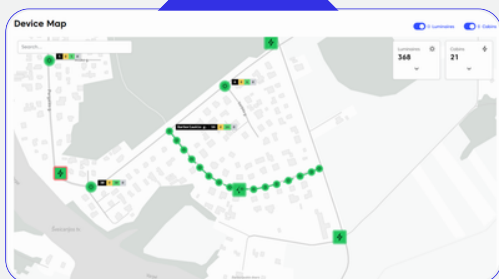


2. TRUE ADAPTIVE LIGHTING CONTROL

- Automatically adjust brightness based on motion sensor data.
- Use sunrise/sunset timing and lux thresholds to automate switch-on/off behavior.
- Configure dimming levels and coverage zones that respond to real-world movement (e.g., a car or a pedestrian).

3. MONITORING & PERFORMANCE

- Track detailed energy consumption, brightness levels, and luminaire lifespan.
- Spot network trends using real-time analysis.
- Detect inconsistencies in lighting coverage.



4. INFRASTRUCTURE INSIGHTS

- Map and monitor all cabinet and luminaire controllers across the city.
- Filter assets by location, type, or operational state.
- Identify malfunctioning or offline devices at a glance.

5. FAULT DETECTION & ALERTS

- Trigger alerts for voltage drops, connectivity loss, or irregular input/output values.
- Prioritize issues with three-level priority alerts.
- View unresolved issues directly on the city map or in filtered lists.
- Receive real-time notifications to reduce response time.



The 'All issues' table displays a list of unresolved and resolved issues. The table has columns for 'Device type', 'Device name', 'Hardware ID', 'Total issues / severity', 'Issue status', 'Issue type', 'Issue created', and 'Issue resolved'. The table shows one unresolved issue and one resolved issue.

Device type	Device name	Hardware ID	Total issues / severity	Issue status	Issue type	Issue created	Issue resolved
Cabinet	Hardware ID 1	Hardware ID 1	1 / 1	Unresolved	Hardware ID 1	2025-07-30 10:00:00	
Cabinet	Hardware ID 2	Hardware ID 2	1 / 1	Resolved	Hardware ID 2	2025-07-30 10:00:00	2025-07-30 10:00:00

6. MAP-BASED DASHBOARD

- Access all assets via an interactive city map.
- Use color-coded indicators to check active, faulty, or offline devices.
- Filter and search by type, location, or equipment ID to streamline navigation.



7. USER EXPERIENCE & ACCESSIBILITY

- Navigate an intuitive, responsive interface across desktop and tablet devices.
- Switch between light, dark, or system mode for optimal visibility.
- Switch between languages (English and Lithuanian) with full functionality.

8. SECURITY & DATA PROTECTION

- Secure accounts with two-factor authentication.
- Control user access through strict role-based permissions.
- Track all user activity and access through detailed security logs.



4. Luminaire controllers

LIGHTWAVE & LIGHTWAVE-LTE

4.1. Overview of the luminaire controller LIGHTWAVE

Luminaire controller LIGHTWAVE is designed to control individual city luminaires, ensuring optimal energy consumption and minimal operating costs, both when modernizing existing lighting infrastructure and building new.



4.2. Overview of the luminaire controller LIGHTWAVE-LTE

Luminaire controller LIGHTWAVE-LTE not only controls individual city luminaires but also has an integrated data transmission module that sends information to cloud servers. Data collected in real time is accessible in the urban lighting management platform HORIZON.

4.3. The difference between the LIGHTWAVE and LIGHTWAVE-LTE luminaire controllers

Both controllers enable smart urban street lighting, but differ in how they communicate.

LIGHTWAVE utilizes a local radio mesh network to connect with nearby luminaire controllers. It allows you to control each luminaire and its illumination scenarios individually or according to any area's needs.

LIGHTWAVE-LTE features a built-in cellular (LTE) modem, enabling it to transmit data to the urban lighting management platform, which allows you to control your entire urban lighting network from a single dashboard.

4.4. Lighting control options

- Manual
- According to astronomical time
- According to ambient lighting conditions
- According to an event from a neighboring luminaire (adaptive lighting).

Our approach to control is designed to deliver the right light at the right time. Whether responding to real-time movement, changes in natural light, or pre-set schedules, every mode works together to optimize energy use, reduce light pollution, and improve public safety.

4.5. Features



Remote illumination control (DALI)

Supports remote control of luminaires via DALI protocol. Enables individual or group command execution through the urban lighting management platform HORIZON. Suitable for city-scale infrastructure.



Instant issue detection

Real-time monitoring enables automatic identification of luminaire- or cabinet-level faults. The system provides immediate alerts with diagnostic information, including fault type, location, and timestamp.



Customizable lighting scenarios

Define and apply time-based or sensor-triggered dimming schedules at the luminaire, zone, or city-wide level. Dimming levels are fully adjustable from 0–100%, allowing optimization based on time of day or ambient conditions.



Rapid installation

Compatible with all Zhaga Book 18-compliant luminaires, the controller enables rapid plug-and-play deployment without additional wiring or tools. Ideal for fast rollout and simplified maintenance operations.



True adaptive lighting

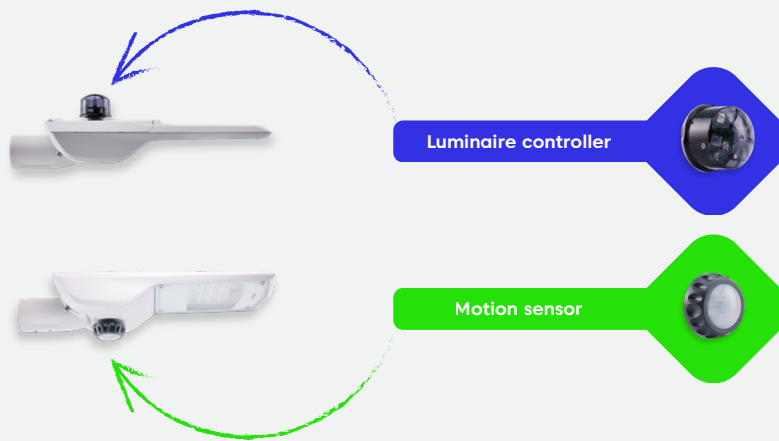
Integrated motion sensors help to dynamically adjust light output based on real-time movement detection, regardless of object direction or speed.



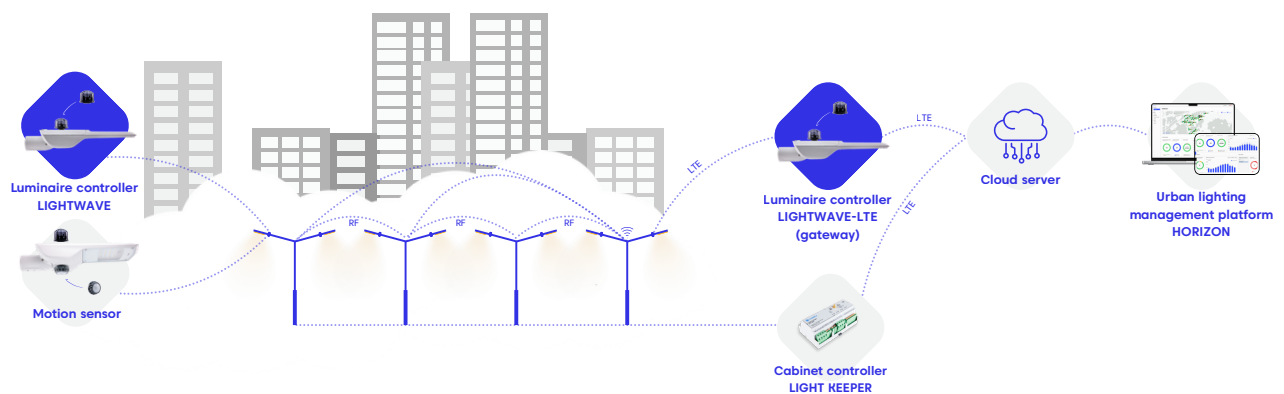
Weather-resistant

Designed for outdoor deployment, the controller operates reliably in a wide temperature range and high humidity environments. Resistant to dust, water, and UV exposure.

4.6. Installation of luminaire controllers using the plug-and-play method



4.7. Luminaire controllers' position in a city's lighting infrastructure



5. Motion sensor LUMAWISE Motion

5.1. Overview of the motion sensor LUMAWISE Motion

Motion sensor LUMAWISE Motion brings smart responsiveness to urban lighting. Integrated into Lusety's ecosystem, it detects movement with high precision, enabling the adaptive lighting feature that ensures streetlights respond to activity around them. This not only improves public safety but also significantly reduces unnecessary energy consumption.



5.2. How does it work

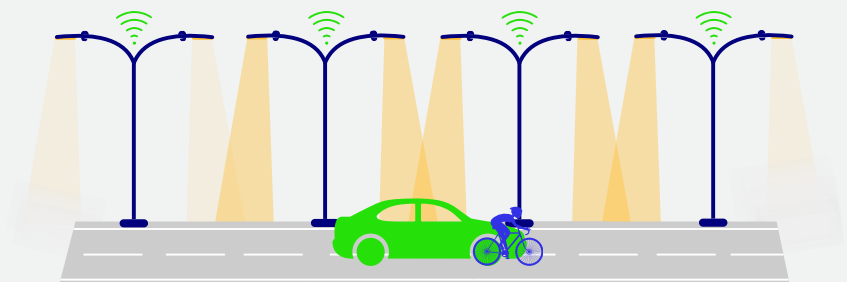
Adaptive urban lighting shouldn't depend on rigid schedules or endless pre-set scenarios.

In Lusety's ecosystem, it's driven by real-time detection of pedestrians, cyclists, and vehicles. As movement occurs, the system triggers brighter illumination only where and when it's needed, keeping the streets safe, reducing energy waste, and removing the need for manual adjustments.

As motion is tracked across zones, nearby luminaires respond instantly, brightening to illuminate the surrounding area and then dimming again once it clears. This automated response delivers maximum efficiency without compromising visibility or comfort. It's how cities can drastically reduce energy consumption, extend equipment lifespans, and build smarter infrastructure without operational complexity.



Reduction in energy
consumption



5.3. Connected to HORIZON

Motion sensor connects directly to the urban lighting management platform HORIZON, so cities can monitor and adjust adaptive lighting remotely. All motion-triggered lighting behavior is visible and configurable through a single dashboard, without any manual on-site updates or interventions.

5.4. Tailored to each zone

Different parts of a city have different needs. With LUMAWISE Motion and HORIZON, adaptive lighting can be fine-tuned for each area, e.g., busy downtowns, quiet neighborhoods, or industrial areas. This makes it easier to balance safety, comfort, and efficiency across the entire network.

5.5. Features



Multi-mode motion detection

Accurately detects pedestrians, cyclists, and vehicles in real time to enable instant changes in illumination's intensity.



Direction-aware motion sensing

Identifies the direction of movement to follow the object and brighten illumination only where and when necessary.



Effortless integration

Easily connects with Lusety's luminaire controllers and the urban lighting management platform HORIZON for full control.



Tool-free, fast installation

Designed for quick and secure mounting via Zhaga Book 18 socket, no special tools required.



Enables true adaptive lighting

Provides the real-time data needed to adjust streetlights' brightness dynamically, based on actual movement on the street.



Weather-resistant

Built to operate reliably in rain, heat, cold, or humidity, ensuring uninterrupted motion sensing year-round.

6. Cabinet controller LIGHT KEEPER

6.1. Overview of the cabinet controller LIGHT KEEPER

The LIGHT KEEPER cabinet controller gives cities centralized control over their entire lighting zones, allowing them to manage schedules, monitor energy use, and respond to real-time needs. It supports discrete load control of up to four circuits via contactors and measures power and energy across three phases. This provides cities with insight-backed data for diagnostics, optimization, and urban planning.



6.2. Lighting control options

- According to the calendar time of day with programmatically set offsets
- According to the ambient background lighting
- According to the individual commands transmitted from the system server.

This cabinet controller gives cities precise control over entire lighting zones. Cities can adjust illumination based on daily rhythms, seasonal changes, and real-time data available in HORIZON to keep their streets safely illuminated.

6.3. Solving common issues

LIGHT KEEPER controller addresses many common lighting challenges cities face in managing their infrastructure.

By providing reliable, centralized control over urban environments, it helps prevent inconsistent illumination, reduces energy waste, and improves overall responsiveness. This means fewer complaints about dark spots or overlit areas, leading to safer streets and happier residents.

In addition, this controller simplifies maintenance through automatic infrastructure issue detection and notifications.

It also continues to operate autonomously during network outages, ensuring uninterrupted service. This reduces downtime and maintenance costs, while giving city managers confidence that their lighting infrastructure is not only dependable, but also efficient.

6.4. Features



Visibility into energy consumption

Built-in measurements of current, voltage, power, and energy across all phases allows cities to monitor consumption, detect inefficiencies, and support smarter energy management.



Stay ahead of failures

Automatic issue detection and real-time alerts ensure that any faults—like power loss or abnormal current—are registered instantly and can be addressed before they escalate.



Reliable, even when offline

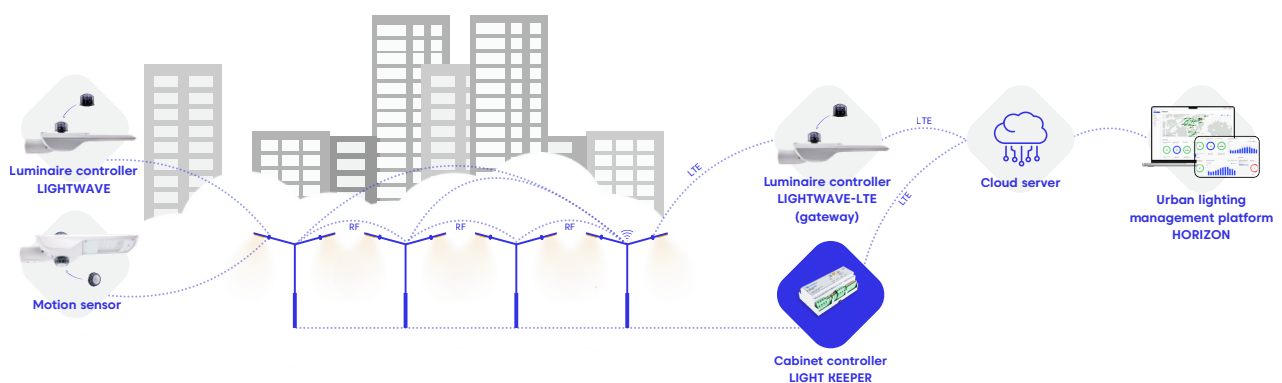
Even if the server connection is temporarily lost, cabinet controller will continue to operate autonomously based on pre-set parameters, maintaining lighting schedules and safety.



Unified network management

Integration with the HORIZON platform gives cities centralized control and monitoring of cabinet-level lighting infrastructure alongside individual luminaires.

6.5. Cabinet controller's position in a city's lighting infrastructure



7. Security and data protection

7.1. Urban lighting management platform HORIZON



1. BUILT-IN SECURITY AT EVERY LEVEL

HORIZON is engineered to protect cities against cyber threats, data breaches, and service interruptions. Our layered security approach ensures that lighting operations remain resilient, compliant, and trustworthy, whether operating in one street or an entire city.

- End-to-end encrypted communication
- AES-256 encryption in transit and at rest
- HTTPS enforced via SSL/TLS certificates
- Web Application Firewall (WAF) & DDoS protection
- Private IP networking and access controls.



2. ACCESS & IDENTITY MANAGEMENT

Only the right people should have access to the right systems. HORIZON offers granular access control for different roles, from urban personnel to contractors, while keeping the operations secure and traceable.

- Role-based access control (RBAC)
- Two-factor authentication (2FA)
- Custom permissions by function
- Secure session timeouts and audit logs
- Access management for third-party teams.



3. SECURE DEVELOPMENT & MONITORING

Security doesn't end at deployment. Our development practices, update policies, and monitoring tools are built to ensure long-term system stability, fast incident response, and minimal vulnerability exposure.

- Input validation & rate limiting
- Stateless authentication using JWT
- Dependency patching and updates
- Infrastructure as Code (IaC) with secure provisioning.

7.2. Luminaire controllers LIGHTWAVE and LIGHTWAVE-LTE, and cabinet controller LIGHT KEEPER



1. GSM COMMUNICATION

By utilizing the mobile operator's infrastructure, luminaire controllers ensure that communication maintains confidentiality, integrity & authenticity to prevent unauthorized access or attacks through unsolicited incoming connections.

- Security ensured by GSM network mechanisms
- Outbound connections only, no incoming connections accepted
- Communication endpoints strictly predefined and trusted.



2. LOCAL RF COMMUNICATION

AES-128 encryption is employed to safeguard local device-to-device communication. This guarantees confidentiality, prevents tampering and unauthorized access, and ensures that only valid data is processed.

- AES-128 encryption for RF communications
- Message authentication to verify data integrity
- Protection against message tampering and spoofing.



3. FIRMWARE UPDATES

All firmware updates delivered to the controllers are encrypted and cryptographically signed by the manufacturer. The device verifies these signatures before applying updates. Additional safeguards include version control to avoid rollback attacks, device compatibility checks, and validation of manufacturer credentials to ensure only authentic firmware is installed.

- Firmware encrypted and signed by manufacturer
- Cryptographic signature verification before update
- Version control to prevent rollback attacks
- Device type and manufacturer secret verification.

8. Summary

Why Lusety

Cities across Europe are under pressure to modernize. And not just to reduce energy use, but to meet strict sustainability mandates, control rising costs, and improve public services with smart integrations.

Lusety was created to help them do exactly that.

We offer a smart, adaptive approach to urban lighting that enables real-time responsiveness, reduces energy waste and light pollution, and supports long-term infrastructure and smart city goals.

With Lusety, cities move beyond basic efficiency, toward intelligent systems that think, respond, and grow with their environment.

How it works

Lusety's ecosystem responds to real-time conditions instead of rigid, pre-set scenarios. From smart controllers to our centralized platform HORIZON, every part of the system works together to provide city-wide visibility, automation, scheduling, and actionable insights in one place.

This approach helps cities cut energy waste, reduce maintenance costs, and manage their infrastructure more efficiently, all without ever compromising safety or comfort.

Smart urban lighting. The heart of a smart city.

Lusety's complete urban lighting management ecosystem is designed together with cities, for cities. From smart controllers to the centralized software platform HORIZON, each component works in tandem to build the backbone of a smart city through lighting infrastructure.

But we don't just deliver technology.

We partner with municipalities, urban planners, and distributors to ensure each deployment fits the local context and scales smoothly over time.

The result is smart infrastructure that actually works: flexible, reliable, and serving real-world needs.

Built with tomorrow in mind

Future-ready by design, Lusety's ecosystem supports open protocols like TALQ, DALI & Zhaga.

Whether a city wants to add air quality sensors, traffic systems, or video surveillance, Lusety provides a reliable foundation for broader smart city initiatives.

The modular nature of our ecosystem also means cities can start small and scale confidently as their needs grow.

9. We are part of:

9.1. Overview

Lusety's technology is built on open, recognized standards.

That's why we're active members of the world's leading lighting and smart city organizations, ensuring our technology remains interoperable, future-proof, and aligned with global best practices. From data privacy to connectivity protocols, we follow the industry benchmarks that cities can trust.

This commitment isn't just technical. It's practical.

By aligning with global standards like DALI or Zhaga, Lusety gives cities the freedom to choose, combine, and expand their systems as they wish. Our ISO-certified processes further guarantee quality, security, and environmental responsibility at every stage of development.



ISO 14001:2015

Environmental management system. Certified and committed to minimizing environmental impact through responsible practices across all areas of operation.

ISO 45001:2018

Occupational health and safety management. Certified and committed to protecting employee well-being and reducing workplace risks across all operations.

ISO 9001:2015

Quality management system. Certified and committed to maintaining product quality and ensuring continuous improvement and customer satisfaction at every stage of development and delivery.

ISO 27001:2022

Information security management system. Committed to protecting sensitive information, ensuring confidentiality, integrity, and availability of data across all operations.



Lighting that changes how cities work,
and how people live.

Transforming light, improving *lives*