zenosmart | ZENOPIX smart solutions

AI-Powered

Smart City Ecosystem

zenosmart

Zenosmart offers innovative solutions for rapidly growing and densifying cities, ranging from autonomous lighting control and energy monitoring to infrastructure management with environmental sensors and control modules.

It is estimated that nearly 70% of the world's population will prefer urban living by the year 2030

Cities produce more than 60% of global carbon dioxide emissions

Street lighting accounts for approximately 40% of a city's total electricity consumption

Cities consume approximately 78% of the world's energy

While the growing population threatens the sustainability of cities, issues such as energy, traffic, security, and waste management pose great challenges for local governments. Zenosmart's smart city solutions address these challenges through digital technologies such as IoT and artificial intelligence. Thanks to innovative solutions like smart lighting control systems, energy is used efficiently, costs are reduced, and cities become safer and more aesthetic.

AI-Powered

Cities are no longer just growing; they are also becoming smarter. Artificial intelligence lies at the heart of this transformation. Working alongside technologies such as big data, sensors, and the Internet of Things (IoT), AI makes cities more livable, efficient, and sustainable. By analyzing real-time data, artificial intelligence accelerates decision-making processes and prevents resource waste.

By enabling automation in areas such as lighting, water systems, transportation, and public services, it not only reduces costs but also saves energy and time. Furthermore, AI helps cities adapt to changing conditions, making them resilient in the face of population growth, climate change, and crises. AI-powered smart cities support not only technological progress but also social development, offering a safer, cleaner, and more accessible life. In short, the smart city vision is becoming a reality with artificial intelligence.

What Solutions Does Zenosmart Offer?

Zenosmart is a wireless smart city platform that enables remote monitoring and management of urban infrastructures. Covering a wide range of areas such as lighting, irrigation, environmental monitoring, waste, and energy management, it allows cities to be operated efficiently and sustainably.

With its multi-layered architecture consisting of the Central Control Unit (CCU), Regional Control Unit (RCU), and Edge Control Unit (ECU), Zenosmart offers ideal solutions for projects of any scale, from small applications to large city infrastructures.

- Lighting Control
- Environmental Monitoring
- Energy Monitoring
- Smart Office Control
- Smart Water Meter
- Field Personnel Tracking

- Irrigation Control
- Construction Site Control
- Measurement and Inspection
- Air Quality Monitoring
- Waste Management
- Tank Level Monitoring

System Advantages

Lighting Control

Zenosmart easily manages the switching and dimming operations of lighting fixtures using common open protocols such as 0-10V, DALI, DALI-2, and D4i. It operates seamlessly with DALI-compliant drivers from various manufacturers, simplifying fixture integration.

Energy Saving

Real-Time Alarm

Customized Programs

Remote Control and Monitoring

Each fixture can be controlled individually or in groups. Additionally, installation becomes quick and effortless thanks to Zhaga, NEMA, and custom-housed connection connectors.

Irrigation Control

Zenosmart optimizes irrigation schedules and water usage by utilizing advanced sensors and protocols to manage smart irrigation systems. The system dynamically adjusts irrigation scenarios based on environmental factors such as temperature, humidity, and rainfall, minimizing water consumption. It integrates seamlessly with both Zenosmart irrigation modules and compatible third-party devices, allowing each irrigation unit to be managed individually or in regional groups. Additionally, thanks to IP68 waterproof connection connectors, installation and maintenance are highly simple and reliable.

Zenosmart's smart irrigation solution increases efficiency in modern agriculture by saving up to 90% in development time during the implementation process. The platform reliably and scalably collects sensor data such as soil moisture and temperature, while its powerful rule engine processes this data to generate real-time alerts and valuable agricultural analytics.

%90
Water Saving

Real-Time Alarm

Customized Programs

Remote Control and Monitoring

Weather Integration

Water Consumption Tracking

Automatic Irrigation with Soil, Temperature, and Humidity Sensors

Regional Control

Thanks to advanced and flexible visualization tools for real-time and historical data, soil moisture data can be easily analyzed and effectively shared with users through customizable dashboards. Additionally, we offer integration with third-party analytics solutions for advanced usage analytics. Remote control and OTA (over-the-air) updates for smart sensors and other devices are also supported. With our low-code customized mobile applications, farmers can manage irrigation in a data-driven manner, regardless of their location.

Water Saving

Zenosmart automatically schedules irrigation based on environmental data such as temperature, humidity, and rainfall. It prevents unnecessary water usage, reduces waste, and supports sustainable agriculture.

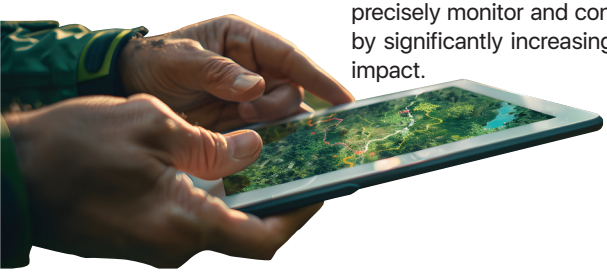
Environmental Monitoring Solutions

The Zenosmart platform offers comprehensive environmental monitoring solutions that form the backbone of smart cities. By precisely tracking air quality across the city, it contributes to the creation of healthier living spaces. At the same time, the detailed weather data it provides for each region helps facilitate daily life.

Smart Agriculture Solution

Zenosmart propels the agricultural sector into the future by offering groundbreaking solutions in the field of smart agriculture. Through advanced sensor technologies (soil temperature and moisture, electrical conductivity, pH, NPK, meteorological data, leaf wetness, rain, and snow), the platform collects agricultural data in real time and transforms this data into meaningful insights using cloud services, artificial intelligence (AI), machine learning (ML), and Internet of Things (IoT) infrastructure.

Thanks to Zenosmart's data analytics and IoT platforms, farmers can precisely monitor and control every aspect of their operations, thereby significantly increasing efficiency while minimizing environmental impact.



Waste Management Solutions

Zenosmart's Waste Management system ensures the active management of your waste with real-time data from waste measurement sensors, contributing to a cleaner and more sustainable environment. The system enables the instant monitoring of waste bins and specialized waste storage areas, tracking of fill levels, management of alerts, and simplification of sensor management. With the advantages offered by the Zenosmart platform, you can achieve up to 80% time savings while enhancing your waste management solutions.

Advanced visualization tools for real-time and historical data allow you to analyze waste monitoring results in detail and easily share them with relevant stakeholders through customizable dashboards.

Hygiene Monitoring

Occupancy Rate Monitoring

Customized Programs

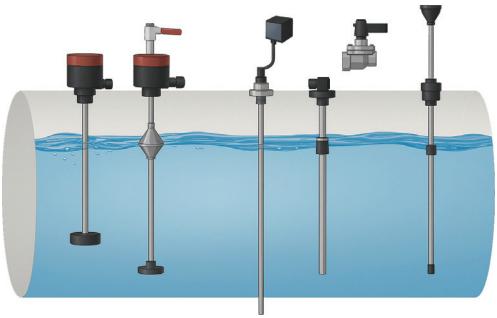
Recycling Monitoring

Furthermore, through integration with third-party analytics tools, you can perform in-depth usage analysis, control your smart sensors remotely, and keep your system up to date with OTA updates. All these features are complemented by mobile applications that can be customized with minimal coding, providing an efficient and practical waste management solution.

Tank (Liquid) Level Monitoring

Zenosmart's liquid level monitoring solutions play a vital role in the efficient management of all types of liquid inventory, particularly fuel, thereby increasing operational efficiency and preventing losses across various industries such as fuel stations, chemical plants, and water reservoirs.

Providing real-time and accurate information on tank liquid levels, the system ensures proactive inventory management and optimized workflows by preventing operational disruptions, revenue losses, and safety risks caused by inaccurate level tracking.



Zenosmart ensures complete control over all your liquid inventory by using advanced technologies, including customized, adaptable sensors and reliable communication protocols designed for the precise monitoring of different liquid types and tank characteristics.

Ease of Use and Maintenance

Fault and alarm notifications are automatically transmitted to the relevant units in real time via email or SMS. Additionally, tasks such as creating maintenance tickets and tracking spare parts can be easily managed through the centralized system.

Reporting

The Zenosmart Reporting System provides detailed data on energy consumption, fault management, and inventory tracking. By analyzing information such as the energy usage of each luminaire and the savings achieved, it enables the evaluation of system performance. These insights form the basis for strategic decisions aimed at increasing energy efficiency.

Scalability

Zenosmart's modular architecture and IoT technologies ensure a high degree of scalability. Users can expand system capacity without limits and add new components to the system to meet their specific requirements.

System Integration

Zenosmart connects smart city systems via API and MQTT protocols, ensuring the seamless coordination of processes such as lighting, irrigation, and security. This integration enables more efficient urban management by enhancing the sustainability of city infrastructure.

Security

Zenosmart ensures high security by utilizing dual-layer AES-128 encryption technology for data communication. AES-128 is a globally accepted and proven standard for data encryption. This dual-layer encryption protects data at two distinct stages.

Application Areas

Zenosmart enables the centralized monitoring and management of diverse urban systems, including lighting, irrigation, energy management, environmental monitoring, smart agriculture applications, waste management, and tank (liquid) level monitoring. Faults and alarms can be detected and tracked in real time. Furthermore, with the Zenosmart management system, environmental data such as air quality, humidity, temperature, and noise levels are continuously monitored, helping to enhance the quality of life in cities.

Wireless Communication

Zenosmart provides reliable and uninterrupted communication over long distances by utilizing LoRaWAN technology. The system offers end-to-end security with 128-bit AES encryption and operates across the ISM bands of different countries (such as EU863-870 and US902-928), ensuring global integration and sustainable performance.

System Structure and Architecture

The Central Control Unit provides centralized management of all systems, enabling monitoring, configuration, scenario control, and secure cloud-based remote access, while also supporting localized operation.

The District Control Unit supervises city subsystems, such as lighting and irrigation, via gateways, managing up to 600 end devices within a 5–7 km range to optimize data flow and performance.

Even if communication is lost, end devices continue to operate autonomously by utilizing their real-time clocks and predefined control logics.

Working Profiles

Three fundamental control operations are performed with the Zenosmart system.

Real-Time Control

When a user sends a command, the end device of the controller (luminaire, irrigation, or I/O) receives it and continues to execute the same control operation until a new command is issued.

Customized Tasks

The system automatically transmits tasks to end devices according to user-defined task profiles and schedules, recording each operating end device.

Astronomical Control

The system operates automatically based on the natural periods of the day (sunrise and sunset) and executes predefined schedules.

Device Updates, Configuration Settings, and Remote Management

Zenosmart remotely updates device firmware and configuration settings using LoRaWAN technology. At the same time, the system automatically acquires location and time data, ensuring that all devices operate with the correct configuration and remain up-to-date without requiring any physical intervention.

Sensors and Irrigation Control Modules

Smart cities provide efficiency and sustainability in areas such as agriculture and logistics. By easily integrating Zenopix LoRaWAN sensors and control devices into your projects, you can achieve remote monitoring and control.

LoRaWAN Connectivity

With an LTE or Wi-Fi LoRaWAN Gateway, you can monitor and manage wide areas at a very low cost. In addition to using a LoRaWAN Gateway, you also have the option to connect to a LoRaWAN Hotspot network and access the Helium network. Thanks to low power consumption over long distances, you can easily monitor your agricultural lands and manage applications based on soil and environmental data.

SNML301A

Emergency Button

SNML327A

2 Button Controller

SNML307A

Air Temperature and Humidity Sensor

SNML314A

Soil NPK Sensor

SNML302A

Wind Speed (Anemometer) Sensor

SNML311A

Carbon Monoxide (CO) Sensor

SNML309A

Carbon Dioxide (CO2) Sensor

SNML313A

Soil Moisture and Conductivity Sensor

SNML312A

Soil Temperature and Moisture Sensor

SNML326A

Soil pH Sensor

SNML323A

Electronic Water Level Sensor

SNML304A

Weather Station

SNML324A

3-Level Soil Moisture Sensor

SNML303A

Wind Direction Sensor

SNML325A

Vibration and Temperature Sensor

SNML315A

Rain and Snow Sensor

SNML318A

Photosynthetic Active Radiation (PAR) Sensor

SNML317A

Total Solar Radiation Sensor (Pyranometer)

SNML319A

Ultrasonic Waste Level Sensor

SNML320A

Liquid Level Sensor

SNML321A

Radar Water Level Sensor

SNML322A

Stainless Steel Rain Gauge Sensor

SNML305A

Noise Sensor

WTL3XXA

Irrigation Controller

SNML301A

Emergency Button

With its low power consumption and battery-powered design, it provides reliable communication for personnel in remote areas. Transmitting the alert to the IoT server instantly when the button is pressed, the device reduces operational risks thanks to its configurable infrastructure. This button offers an effective security solution in emergencies with its easy installation and fast reporting features.

SNML327A

2-Button Controller

This LoRaWAN-based solution reduces installation costs and increases efficiency with its wide coverage area, low power consumption, and wireless structure. Designed for freight elevator calling and remote point notifications on construction sites, it is a reliable and modern control system.

SNML307A

Air Temperature and Humidity Sensor

It performs precise measurements and transmits data to IoT servers. With its IP65-protected and battery-powered structure, it provides easy installation and low power consumption in greenhouses. It facilitates environment management by increasing plant efficiency with its adjustable data interval.

SNML314A

Soil NPK Sensor

It measures nitrogen, phosphorus, and potassium levels and transmits the data wirelessly to the IoT server. With its IP67-protected probe and battery-powered structure, it protects soil quality by preventing over-fertilization. It ensures sustainable agriculture management by increasing crop efficiency thanks to its adjustable data interval.

SNML302A

Wind Speed (Anemometer) Sensor

It precisely measures wind speed and transmits the data wirelessly to IoT servers. Operating on battery power, the device offers secure tracking by increasing efficiency in agricultural irrigation and areas requiring wind safety, thanks to its adjustable data frequency.

SNML311A

Carbon Monoxide (CO) Sensor

It measures indoor carbon monoxide levels and transmits the data wirelessly. Operating on battery or electrical power, the device helps prevent hazardous situations and monitor air quality at a low cost, thanks to its configurable transmission frequency. This module ensures a safe environment in wide areas, ranging from heating systems to industrial facilities.

SNML309A

Carbon Dioxide (CO2) Sensor

It detects ambient carbon dioxide levels and transmits the data wirelessly over LoRaWAN. Designed to monitor air quality, the device helps prevent negative environmental impacts through emission tracking and efficient management.

SNML313A

Soil Moisture and Conductivity Sensor

It supports automatic irrigation systems and wide area management by measuring soil moisture and electrical conductivity. Configurable via the Zenosmart interface and various gateways, the device ensures water savings and efficient agriculture through precise data tracking.

SNML312A

Soil Temperature and Moisture Sensor

It is an industrial device that measures atmospheric data with precision within the ranges of -40°C to 85°C and 0% to 100% RH. Thanks to LoRa and IP66 protection standards, it provides stable and reliable data transmission over long distances with low power consumption. Its wireless and battery-powered structure eliminates installation complexity, allowing it to be commissioned within minutes.

SNML326A

Soil pH Sensor

Developed for agricultural IoT applications, the Irrigation Module provides automatic irrigation and remote control based on soil moisture, while the Soil pH Sensor optimizes fertilizer use by transmitting data to cloud platforms. Both devices enhance agricultural quality and savings by making resource management efficient through sensor data.

SNML323A

Electronic Water Level Sensor

It determines liquid levels with high accuracy using advanced electronic techniques. Transmitting data over long distances wirelessly and with low power consumption via LoRaWAN technology, this device ensures uninterrupted monitoring in water facilities, smart cities, and industrial management systems. With its durable structure, it offers a reliable and long-lasting operation in liquid processes.

SNML304A

Meteorological Station Sensor

It is an all-in-one LoRaWAN® monitoring system developed to track the weather continuously and precisely. It instantaneously measures critical atmospheric data such as temperature, humidity, wind speed, wind direction, barometric pressure, and rainfall through a single device.

SNML324A

3-Level Soil Moisture Sensor

Measuring soil moisture at different depths with precision, this device transmits data wirelessly over long distances via LoRaWAN. Designed for smart agriculture and irrigation systems, its durable structure ensures efficiency and long-lasting use in harsh field conditions.

SNML303A

Wind Direction Sensor

It detects wind direction in atmospheric conditions with high accuracy. Thanks to LoRaWAN technology, it transmits data wirelessly over long distances with low power consumption. With its durable structure and battery-powered design, it offers an ideal and effortless installation for outdoor monitoring systems.

SNML325A

Vibration and Temperature Sensor

It monitors vibration and temperature data instantaneously to analyze equipment status. Thanks to LoRaWAN technology, it transmits data wirelessly over long distances with low power consumption. It is an ideal, quick-installation solution for industrial maintenance and predictive monitoring processes.

SNML315A

Rain and Snow Sensor

It detects precipitation such as rain and snow on its surface to determine weather conditions. It is an ideal solution for automation systems, irrigation control, and meteorological applications.

SNML318A

Photosynthetic Light Intensity (PAR) Sensor

Used in smart agriculture applications to optimize plant health, this device measures photosynthetic light intensity (PAR), providing efficiency and energy savings in lighting management. With its structure suitable for academic and industrial use, it offers critical data for sustainable production.

SNML317A

Total Solar Radiation Sensor (Pyranometer)

Serving as the primary data source for panel efficiency and plant performance ratio (PR) tracking in Solar Power Plants (SPP), this device is used in areas such as climate research in meteorological stations, solar load calculations in smart buildings, and evaporation analysis in agriculture.

SNML319A

Ultrasonic Waste Bin Fill Level Sensor

Used for waste collection management in smart cities and industrial stock tracking, this system monitors fill levels instantaneously to provide route optimization, fuel savings, and operational efficiency. It is ideal for preventing overflows and digitalizing processes across a wide range of applications, from waste bins to material silos.

SNML320A

Liquid Level Sensor

Used for fill level tracking in water reservoirs, dams, and underground wells, it plays a critical role in industrial tank monitoring, irrigation in smart agriculture, and flood prevention processes. Providing remote monitoring, this system ensures safety while reducing costs in liquid storage and discharge processes.

SNML321A

Radar Water Level Sensor

It performs non-contact and high-precision measurements using LoRaWAN technology in harsh outdoor environments such as rivers, dams, and open water channels. Providing stable results without being affected by surface fluctuations or weather conditions, this device is preferred for ensuring safety in smart cities' flood early warning systems and industrial monitoring processes.

SNML322A

Stainless Steel Rain Gauge Sensor

Measuring the precipitation amount with its stainless steel structure, it transmits data over long distances using LoRaWAN technology. Providing instantaneous tracking in meteorology, smart agriculture, and flood monitoring systems, this device offers a long-lasting and reliable solution in harsh outdoor conditions.

SNML305A

Noise Sensor

It measures ambient sound levels and transmits the data to the central system via a gateway. With its IP65 protection and battery-powered design, it offers low power consumption. It creates safe working conditions in cities and workplaces with its online reporting features.

WTL3XXA

Irrigation Controller

Designed as a smart controller providing automatic irrigation based on soil moisture in agricultural and landscape applications, this battery-powered compact system measures soil temperature and moisture ratio to automatically initiate irrigation exactly when plants need it.

Products

Lighting

LoRaWAN is a widely used wireless network protocol in IoT projects, offering low power consumption and long-range communication. By easily integrating Zenopix LoRaWAN sensors and lighting controllers into your projects, you can enable remote control of your luminaires.

LCCB

Special Box Lighting Controller

LCNM

Lighting Control Unit NEMA

LCZG

Lighting Control Unit Zhaga 40mm

LCZG

Lighting Control Unit Zhaga 80mm

The LoRaWAN wireless lighting control system supports 0-10V, 1-10V, DALI-2, and DALI D4i interfaces; it offers Zhaga (Book 18 / 80mm), NEMA, and custom enclosure options. With an IP67 protection class, it is resistant to harsh environmental conditions. It enables on-site or cloud-based management via Zenosmart.com. Lighting tasks can be configured, electrical parameters can be monitored, and secure wireless communication is supported with AES-128 encryption.

It features advanced properties such as an optional light level sensor, adaptive lighting, time-based autonomous operation, shock and tilt detection, geolocation support, and configuration via Bluetooth. It is fully compliant with the internationally standardized LoRaWAN protocol.

LCCB

Special Box Lighting Controller

LoRaWAN® Special Enclosure is a easily installable wireless device for the remote control of LED lighting systems. The unit is offered with a custom enclosure designed for seamless integration into existing luminaires. It supports 0-10V, 1-10V, DALI, DALI-2, and DALI D4i protocols.

LCNM

NEMA ANSI C136.41 5 or 7-Pin Street Light Controller

It is an easily installable wireless device for the remote control of LED lightings. The device is equipped with a NEMA-compliant connector and supports control via various protocols, including 0-10V, 1-10V, DALI, DALI-2, and DALI D4i.

LCZG

Zhaga Street Light Controller

It is a wireless device designed for the remote control of LED street lightings. It features a Zhaga® Book 18 compliant connector and supports DALI and DALI-2 interfaces; it is available on LoRaWAN®, NB-IoT, and LTE-M networks. Its compact and modern design makes it suitable for various street lighting modules.

ZNGTO

Zenogate LoRaWAN Outdoor Network Gateway (Outdoor Gateway)

This device operates as the central unit of the LoRa network, acting as a powerful gateway that transmits data collected from sensors to the cloud via 4G or Ethernet. Equipped with an industrial-grade processor and LoRa chipset, it ensures high efficiency and reliability in large-scale systems. Additionally, thanks to its IP67-certified housing, it demonstrates full durability against harsh outdoor conditions and industrial environments.

Application Areas

- Smart agriculture
- Smart factory
- Smart metering
- Smart building and industrial control
- Environmental monitoring
- Other wireless sensing applications
- Logistics and supply chain management

ZNGTI

Zenogate LoRaWAN Indoor Network Gateway (Indoor Gateway)

Serving as the main hub of the LoRa network, the gateway collects data from various sensor nodes and transmits them to a cloud platform via 4G connectivity, Ethernet, or Wi-Fi. Built with a high-performance processor and an industrial-grade LoRa chipset, the device offers reliable and efficient operation in large-scale installations.

Application Areas

- Smart agriculture
- Smart factory
- Smart metering
- Smart building and industrial control
- Environmental monitoring
- Other wireless sensing applications
- Logistics and supply chain management

zenosmart

Smart Master

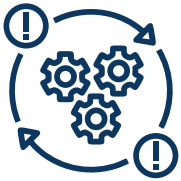
Smart Control Management System

Zenosmart Smart Master is a cost-effective and reliable smart master management system designed to maximize energy savings and build modern smart cities. The system centrally monitors and manages lighting, irrigation, sensor-based monitoring, and waste management.

Smart lighting not only provides energy savings but also enables dynamic and data-driven business models. For instance, street lights can change their colors and behaviors in real time to clear paths for emergency vehicles.

Versatile Management

It manages various urban services such as smart lighting, smart park and garden irrigation, waste monitoring, and meteorological data collection through a single system.

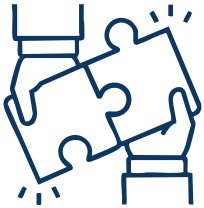


Real-Time Fault Detection

It can detect faulty fixtures in real time without the need for a complex and costly communication infrastructure.

Integration with Existing Systems

It allows for retrofit by adding a control device to the existing fixture without the need to completely replace the control system.



Central Control Panel

It allows cities to remotely control, evaluate, and manage lighting in roads, streets, parks, and other public areas through a single monitoring and control panel.

Lighting Under Your Control

TALQ

Zenosmart Smart Master is TALQ Ready compliant and seamlessly integrates with smart city systems.

Simplify Operation and Maintenance

Zenosmart serves as a central access point for both wireless (such as LoRaWAN, LTE, and NB-IoT) and wired lighting control devices. The platform offers a user-friendly interface for connectivity and security services, data analytics, and street lighting project design.

Additionally, it includes a simple GIS (Geographic Information System) for the graphical display of luminaire statuses and features seamless integration capabilities with external software systems.

Status Information

Smart Master provides near real-time information about each luminaire or luminaire group. Faults and outages are automatically recorded, and notifications are sent to the authorized person for action.

Reporting

Platform enables the monitoring of lighting performance, status, energy consumption, and savings across different locations and customizable time intervals.

Efficient Management

Daily reports regarding the behavior and performance of the lighting infrastructure can be automatically generated. The analytics in these reports are used to increase the efficiency and utilization of the city's lighting.

Workflow Optimization

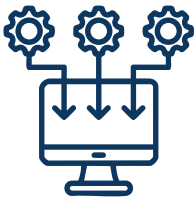
Smart Master further enhances lighting management by integrating with preferred asset management applications. This integration helps to better manage repairs and increase the efficiency of all lighting-related workflows.

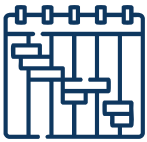
Event-Based Control

The system can control the lighting based on events such as ambient light, noise, weather, or traffic. When the event ends, it returns to its normal profile.

Central Management System

This central application performs network configuration, monitoring, and management. It analyzes the status of the street lighting infrastructure in near real-time, assists managers, and performs fault detection.





Lighting Planning and Management

It allows operators to program lighting levels according to the city plan. Light levels can be adjusted based on time, conditions (traffic, weather), and advanced calendars.

Group Control

It is a web-based software for the remote management of electrical panels. It simultaneously controls and analyzes lighting fixtures, offering functions such as turning fixtures on and off.

Infrastructure Service Management

It is an asset management platform that assists local system integrators in the daily operations of the physical infrastructure (street lamps, cables, poles, etc.).

Notifications

Proactive notifications enable immediate intervention. The system provides the status of each light in real-time, automatically logs faults and outages, and informs the right people.

Analytics

This is a part of the Command Center software and tracks the city's lighting performance, status, energy consumption, and savings. Specific fixture data, such as grid voltage and driver temperature, can be monitored over time.

Calendar-Based Control

It allows the creation of special lighting schedules for weekdays and weekends. Light levels can be increased during special times, such as shopping nights, or decreased during holidays.

Dimming Profiles

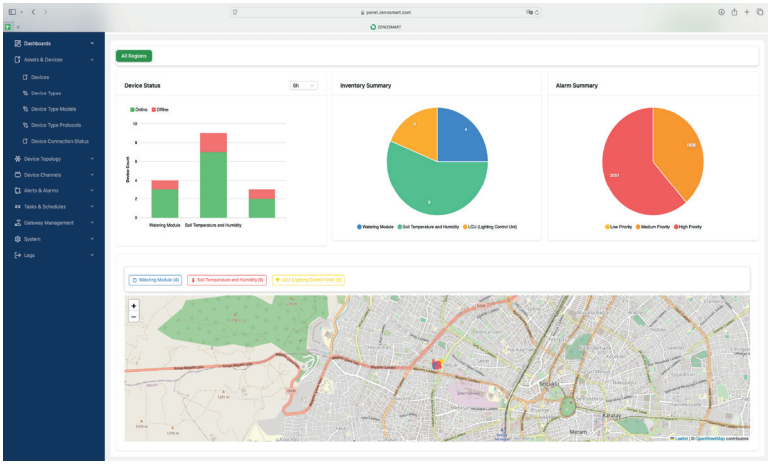
The system's intuitive interface makes it possible to create precise dimming profiles for a single light or groups of lights. On busy streets, light brightness can be increased during rush hours, while in business districts, it can be reduced after hours.

Tiered User Access

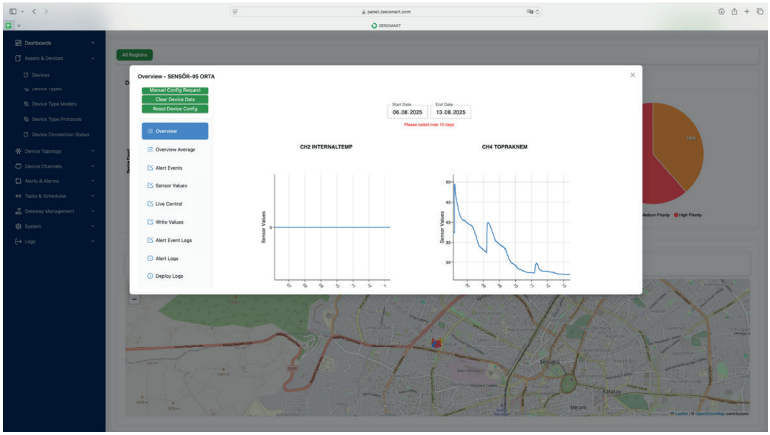
It provides identity and access management for different administrator and user levels. Administrators can create users and groups, and assign access rights based on their roles, such as business manager or maintenance personnel.

Smart Master serves as a suite of web-based software applications providing full remote management at both individual light and group levels for the entire lighting infrastructure. Its open architecture and Open API allow for secure integration with any preferred third-party application.

Zenosmart Dashboard

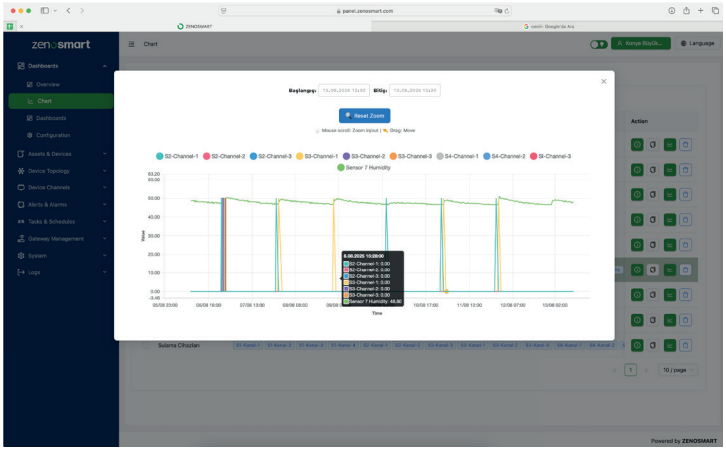


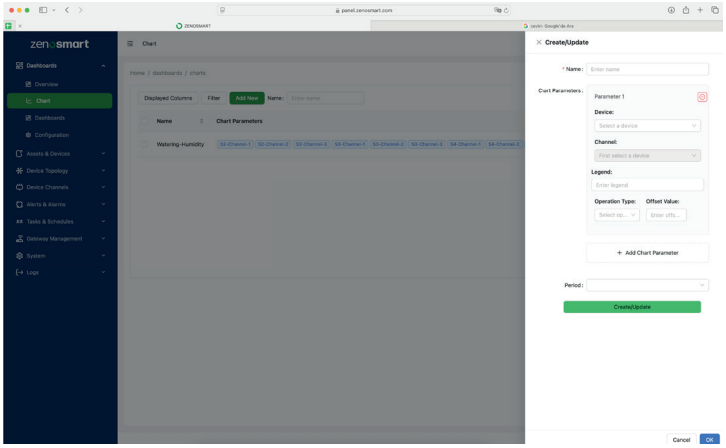
Through the Zenosmart Dashboard, you can monitor and manage devices using interactive charts and a map-based interface.



The dashboard is not a separate page; it is displayed directly as the main screen when the application opens.

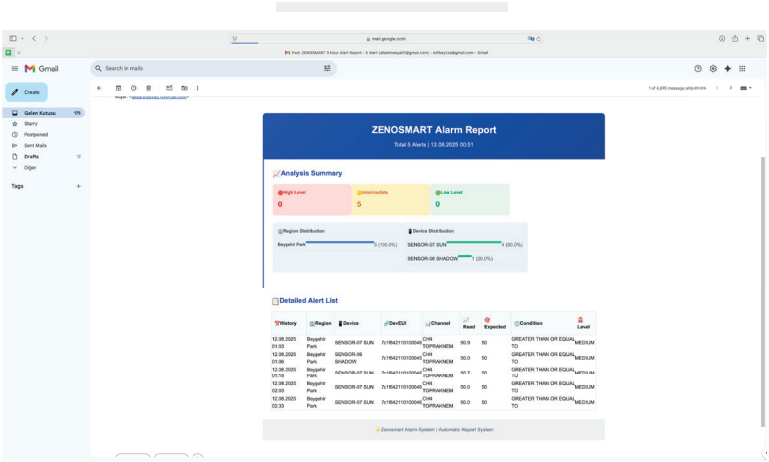
Zenosmart Graph Services

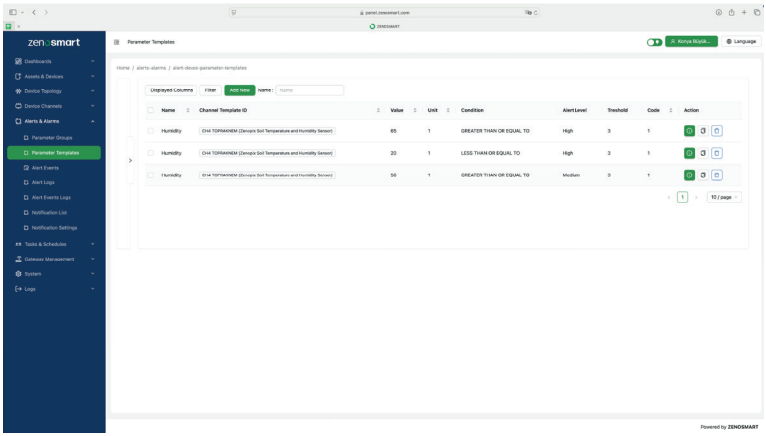




Zenosmart graph services allow you to dynamically and interactively view data from multiple devices and channels on a single screen.

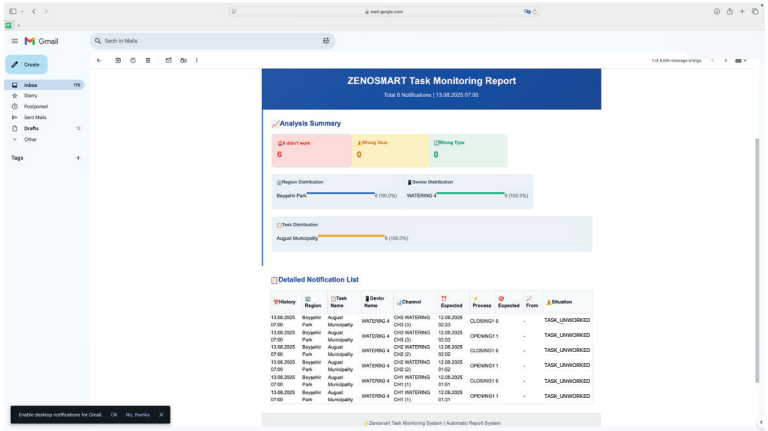
Zenosmart Alert System

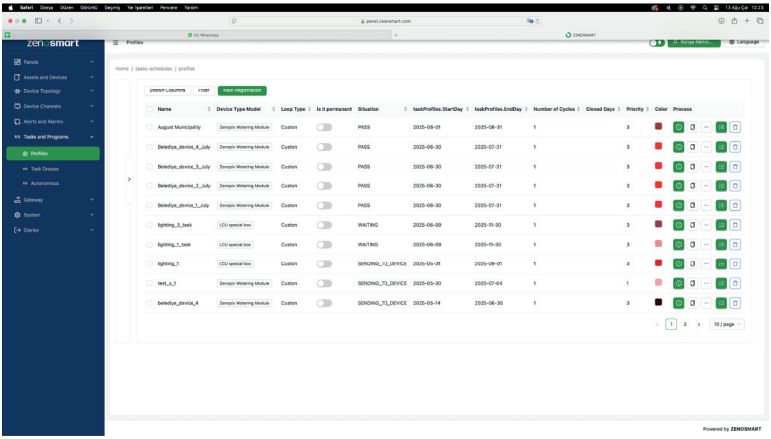




The Zenosmart Alert System allows you to create custom alarm conditions and receive notifications via email when these conditions are triggered.

Zenosmart Task Management





Zenosmart Task Management allows you to assign long-term tasks to your devices and receive notifications via email when these devices stop operating.

zenosmart | ZENOPIX smart solutions

Zenosmart makes life easier by smartly increasing energy efficiency and sustainability with innovative, AI-powered, IoT-based solution

info@zenosmart.com zenosmart.com +90 312 911 26 46

Konutkent Mah. 3028 Sok. Elmar Towers C Blok, No: 8C/120
Çankaya/Ankara/Türkiye