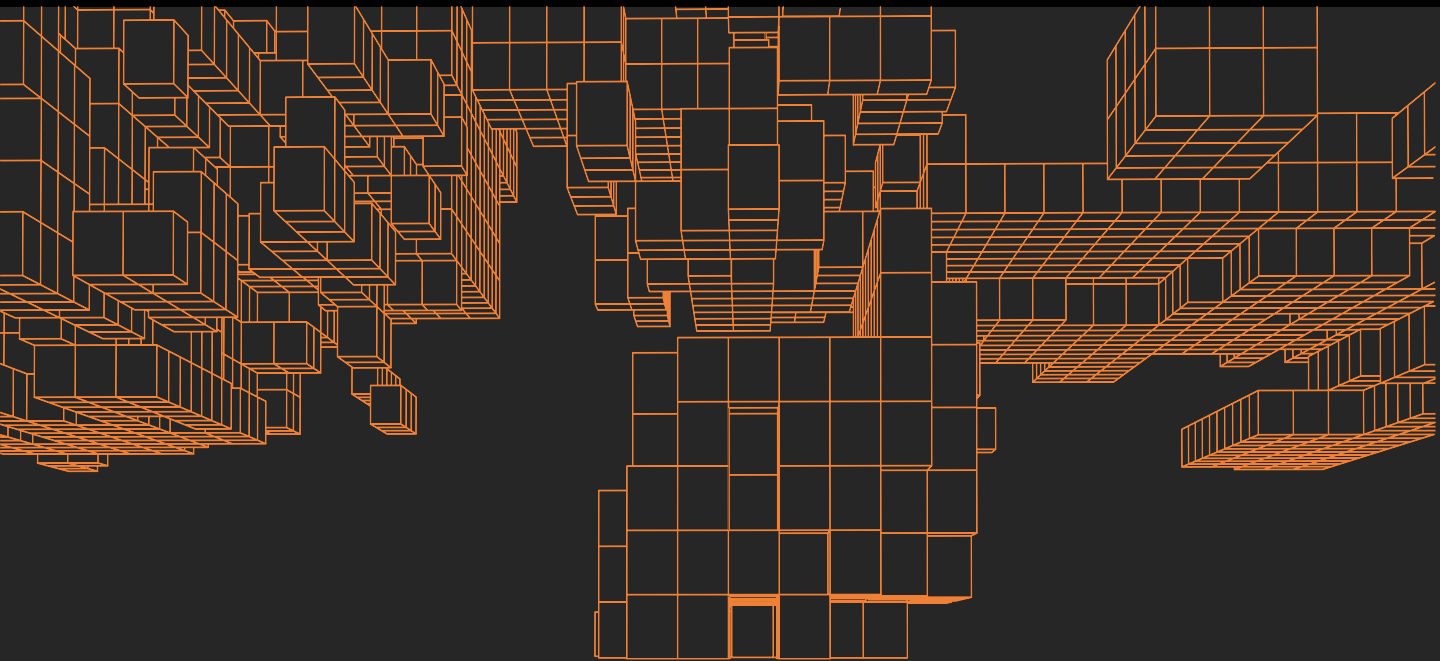


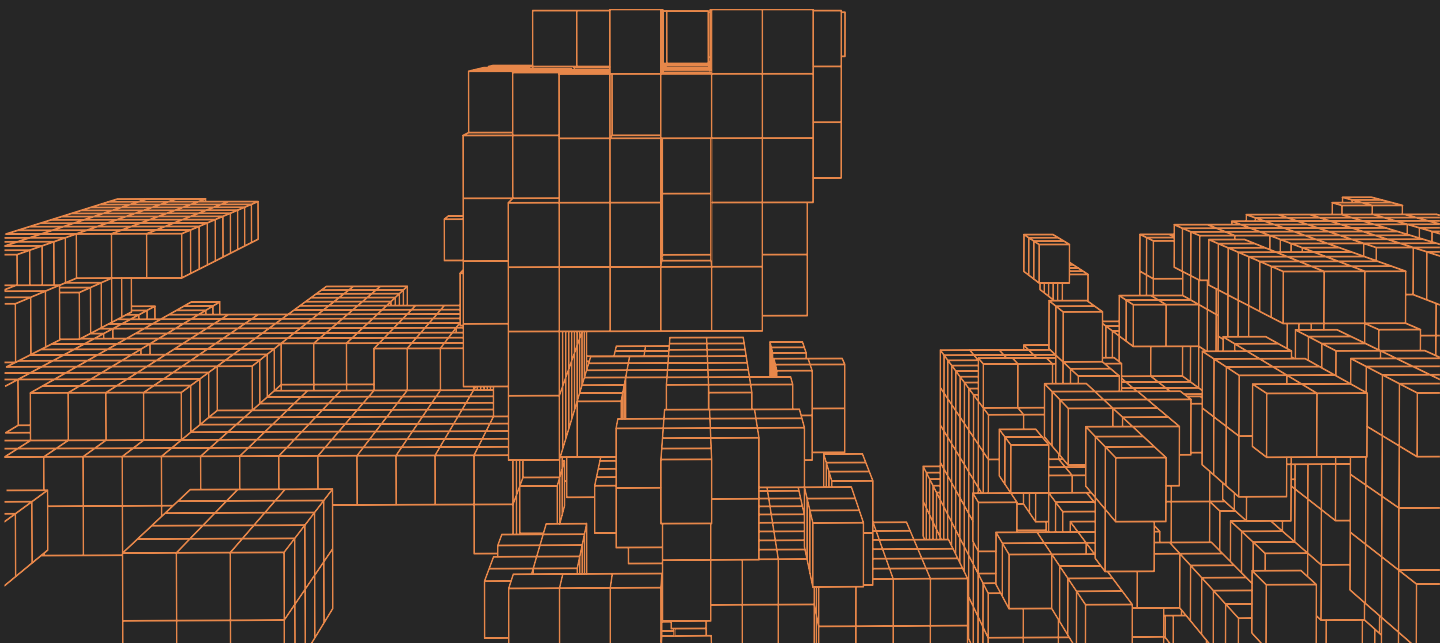
The background of the entire page is a complex, three-dimensional wireframe structure composed of numerous thin, light-colored lines. These lines form a grid of squares and rectangles that are stacked and offset from one another, creating a sense of depth and architectural complexity. The overall effect is that of a modern, technical drawing or a digital architectural model.

LYT-X
PRODUCT BROCHURE



ABOUT LYT-X

Lyt-X is the security solution which offering wide range of management to accommodate the concept of smart city. Lyt-X transform the regular lamp pole into intelligent lamp pole with diversity of value-added equipment, such as weather station, wireless CCTV, LED signage, intercom, video analytic and other devices. Lyt-X adopts LoRaWAN protocol for smart lamp pole control system and allows for data collecting which ultimately achieving the efficient smart city concept.



COMPONENTS OF LYT-X

Digital LED signage: Emergency alert announcement and advertisement could be published through central platform.

Weather station: Monitoring weather through collecting and sending weather information to monitor centre, such as humidity, wind speed, temperature, air pressure, wind direction and noise.

Emergency button: Support emergency call to connect directly to monitoring centre

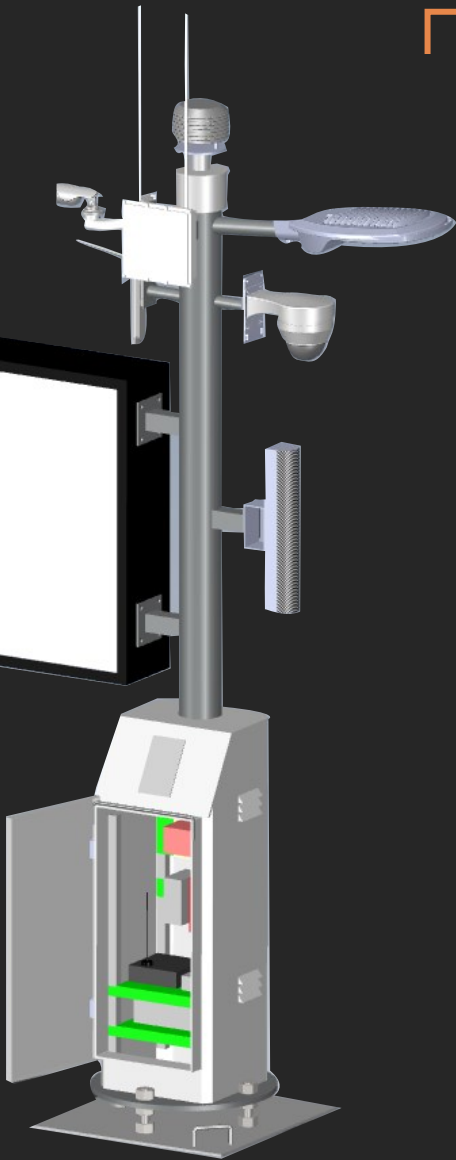
GPS: Location access supported for quickly positioning when emergency call feature been activated.

Surveillance cameras: Support live stream to monitor public safety and traffic status

Streetlamp: Support energy saver to control the light automatically. NEMA nodes on streetlamp can be remote wirelessly in a long distance through LoRaWAN protocol.

Speaker: Transmitting voice file for announcement and alert

Video analytic platform: Video analytics solution to assist those providing security to critical infrastructures with a powerful means for identifying and detecting intruders, tracking people or objects, and producing an alarm on types of behaviour



BENEFITS OF LYT-X

1. Intelligent Lighting Management

- LED streetlamp with smart node NEMA which provide real time monitoring, including the current, the voltage and the consumption.
- Remote (ON/ OFF) wirelessly in a long-distance communication through LoRaWAN technology
- Low power consumption to save energy to sustain our Mother Earth.
- High stability to manage group lights within a single LoRaWAN gateway.



2. Surveillance and Monitoring

- Real time streaming supported to surveillance monitoring for public safety.
- Expand the surveillance camera to monitors changes of public traffic, weather conditions, traffic violation, crowd detection and smart parking.
- Surveillance cameras allow monitoring centre to record, review and real time monitoring the activities in crime and accident-prone areas.



3. Environmental Monitoring

- Weather station collects data of weather changes, such as wind speed, wind direction, temperature, noise, atmospheric pressure, and humidity.
- Collected data send through communication equipment in the smart lamp pole to IoT platform and reporting abnormal weather alerts.
- Flood sensor helps on mitigating flood risk through detecting water fluid.



4. Emergency Call Supported



- Intercom provides direct connection to monitoring centre for emergency.
- GPS location could be accurately positioning when emergency button been activated
- Quick response from monitoring centre which provides two-ways communication for voice call through intercom.
- Surveillances cameras will automatically change the viewpoint to the emergency button when the button activated to ensure strictly monitoring under all circumstances.



5. Multifunctional Broadcasting Speaker

- Broadcast audio file and music for public announcement and emergency alert
- Expand the speaker to broadcast audio advertisement.



6. LED Signage

- Display emergency alert notice, and advertisement through LED signage
- Video content and image published through monitoring centre remotely.

7. Real-time Traffic Management

- Composite traffic management in the video analytics to be executed for collecting real-time traffic statistics which presents in diagrams and charts.
- Video processing to detect vehicles and abnormal events to prevent traffic congestion and reducing accidents.
- Enable to respond in real-time to traffic flow, illegal parking detection, traffic jam, vehicle moving speed etc.



8. Customization on Video Analytic Platform

- Precise detection to recognize over thousands of objects, events, and actions in video.
- Customize the video analytics based on your needs for detecting and tracking objects of interest within videos.
- Generate metadata in video to gain real-time alert and forensic investigation on event triggers through dashboard.



ABOUT LYT-X PLATFORM

LYT-X platform is the cloud application designed for desktop or desktop web browser. The system enables data collection and displays data in charts, dashboards, tables, geographical maps, tables which allows all-in-one solution to control the equipment in the smart lamp pole. The systems include smart lamp control system, environmental control system, emergency support system, video monitoring system, meteorology system, alarm system, audit log etc. All smart lamp poles are connected to the platform wirelessly and accessible through web browser. The system enabled to monitor alarm and weather status in real time, information release through LED signage and speaker could be controlled through monitoring centre.

The screenshot shows a map view of the LYT-X platform. On the right, a 'Preview' sidebar displays sensor data for 'Meteorology'. It includes a 'Select Sensor Type' dropdown, 'Choose parameters' for 'Admin' and 'Weather Stations', and 'Average temperature / Humidity' readouts. Below, 'Specific sensors' are listed with their status: 'airborne' (75%), 'weather station' (75%), 'empty' (75%), and 'airlight' (75%).

The screenshot shows the 'Meteorology' dashboard. It features four data cards: '0.0 Temperature (°C)', '0 Humidity (%)', '0 PM2.5 (µg/m³)', and 'Others'. Below these are two charts: a bar chart for 'Temperature' showing a range from 29.8°C to 24.4°C, and a line chart for 'Brightness'. A circular gauge shows 'Humidity' at 52%.

The screenshot shows the 'Alarm Log' interface. It includes a search bar with 'Date Range' and 'Keyword' fields, and a 'Search' button. Below is a table of alarm records:

LOCATION	ALARM TYPE	CONFIRMED BY	ALARM TIME	CONFIRM TIME
artistic	斷路器回	1	23/03/2022 22:09:07	23/03/2022 22:09:07
armor	斷路器回	1	23/03/2022 22:09:07	23/03/2022 22:09:07
apportion	斷路器回	1	23/03/2022 22:09:07	23/03/2022 22:09:07
airborne	斷路器回	1	23/03/2022 22:09:07	23/03/2022 22:09:07
aimless	斷路器回	1	23/03/2022 22:09:07	23/03/2022 22:09:07
arterial	斷路器回	1	23/03/2022 22:09:07	23/03/2022 22:09:07
as	斷路器回	1	23/03/2022 22:09:07	23/03/2022 22:09:07
apartment	斷路器回	1	23/03/2022 22:09:07	23/03/2022 22:09:07

The screenshot shows the 'Weather Station' interface. It includes a search bar with 'Date Range' and 'Keyword' fields, and a 'Search' button. Below is a table of weather station data:

LAMP POLE	SERIAL NUMBER	VERSION	DATA USAGE	LAST UPDATE
Istana Budaya Quamnet PDRM	EC2020042700002	1.0.0.36	75.36M	05/01/2023 01:02:00
	EC2020112100092	1.0.0.25	59.20M	05/01/2023 01:02:00

FEATURES OF LYT-X



Eye-catching LED digital signage for announcement and advertisement.

High accuracy for monitoring weather and air quality.



Single-button activation to emergency call.

HD video surveillances for monitoring public safety and traffic.



Energy saver LED streetlamp for long operation.

Wireless lighting control through LoRaWan protocol.



Multifunctional broadcasting system.

Versatile and easy-to-use lighting management platform.



Precise GPS location enabled.

Deep Learning Video analytic to detect or classify objects and behavior recognition.



APPLICATION OF LYT-X FOR SMART CITIES



Smart Security



Internet of Things



Smart Traffic Management



Smart Building



Smart Architectural



Smart Lighting



LYT-X CONVERGED SECURITY INFORMATION MANAGEMENT (CSIM)

LYT-X is a provider of Converged Security & Information Management solutions. LYT-X CSIM helped organizations streamline their security operations to reduce risk, manage security events in real-time monitoring to respond to incidents. Integrates library of management platforms into simplified dashboard management systems.



Simplifies situation management



Extensive library of integrations



Dashboard of multiple sites in one interface



Proactive & reactive workflow



Protect investment & assets



Improves collaboration resource sharing



Track & resolves incidents faster



Reduces operational costs



Facilitates interoperability



Trusted partner

HOW LYT-X CSIM WORKS ON SECURITY SYSTEM?

LYT-X designed to be the central of operating personnel's decision-making process. Increasing holistic awareness of your surroundings, the platform creates a powerful tool to significantly improve effectivity and responsiveness well beyond traditional video security systems

Data analysis 

 Cameras

Transport 

 GPS

Alarm 

 Lighting

Environment 

 Video analytics

LYT-X
CSIM



LYT-X

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