

With **ATOM**, cities  
can achieve a  
smarter, safer, and  
more efficient future.  
**Join the next era of  
smart city  
management!**



## Contact Us

24 Soi Ramintra 20, Ramintra  
Road, Tharang Bangkhen,  
bangkok 10230 Thailand  
+662 080 1111  
[osd\\_support@osd.co.th](mailto:osd_support@osd.co.th)

## Learn more about us!



This QR code gives key  
information about our  
products. Scan it to  
access details and  
features easily.



Advanced Technology Orchestration Matrix

# SMART CITY ORCHESTRATION

Face Detection & Recognition, License Plate Recognition,  
Vehicle Classification, and Intelligent Object Search



Contact us :  
 +662 080 1111

[osd\\_support@osd.co.th](mailto:osd_support@osd.co.th)

[www.osd.co.th](http://www.osd.co.th)



# AI PLATFORM FOR SMARTCITY

ATOM is a central hub that connects all smart city solutions into one unified platform. With the ability to integrate various AI cameras and IoT devices, ATOM streamlines operations through customizable workflows, effectively enhancing security, efficiency, and sustainability at any scale.



Suspicious individuals



Abandoned objects



Intruders



Unauthorized parking



## Smart Living

AI camera monitoring with over 20 analytic modules with user-friendly UI to change between modules and areas of interest. Able to track license plates and facial features through real-time location mapping and natural language search for easy identification.

## Smart Energy

Smart poles offer automated streetlight management, adjusting brightness based on lighting conditions and motion detection. Administrators can remotely monitor the status of streetlights and electrical equipment from any pole, enhancing efficiency and control.



## OUR SERVICES

### Smart Environment

Smart poles enhance urban environments with energy-efficient lighting, real-time surveillance, emergency communication, and reliable Wi-Fi. They improve public safety, provide digital signage, and monitor environmental conditions, creating smarter, more connected city spaces.

### Smart Governance

The VoP App connects citizens and government by allowing easy sharing of experiences and complaints. AI-powered sentiment analysis categorizes messages and automatically escalates complaints to the relevant departments for prompt resolution.

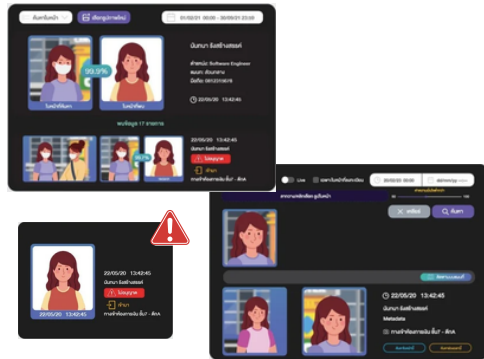




# KEY FEATURES

## FACE DETECTION & RECOGNITION

Unlock the potential of our cutting-edge facial detection and analysis system, capable of handling multiple individuals at once. Seamlessly search and identify faces of interest from images and registered profiles with precision.



## MULTIPLE OBJECTS & EVENTS RECOGNITION

Supports customizable event detection, such as detecting crowd density, wrong-way vehicle movements, and objects left unattended for extended periods. It seamlessly integrates with electrical device commands and can notify through various channels, including E-mail, SMS, LINE, visual signals, or emergency sirens, ensuring timely alerts to the desired outlets.

Diverse object detection and analysis capabilities include :

- ◆ people
- ◆ vehicles
- ◆ pets
- ◆ weapons
- ◆ bags



## ACCESS CONTROL SYSTEM

Seamlessly integrates with the access control system to initiate automated electrical device commands. For example, it can control the opening and closing of parking lot barriers or building entry doors when authorized individuals, vehicles, or objects are detected to enter the designated areas.

## REAL-TIME MONITORING

Summary of analysis and detection data

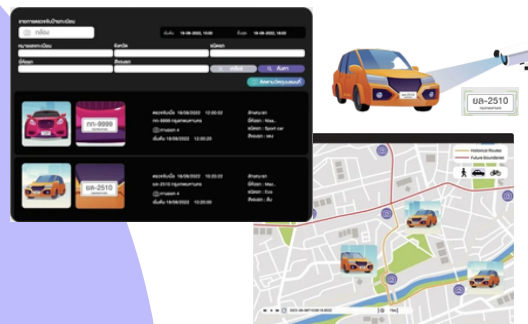
- ◆ people
- ◆ license plates
- ◆ vehicles
- ◆ multiple objects

Grants you access to real-time data and enables seamless retrieval of historical information based on your specific time frames. Accessible from anywhere, anytime, this powerful tool empowers you to optimize your area management strategies with utmost efficiency.

## LICENSE PLATE RECOGNITION (LPR)

Supports license plate detection and vehicle analysis, including make, model, and color. You can search for vehicles using images or by specifying their license plate number or characteristics. Set up alerts to be notified when a tracked license plate is detected.

- ◆ Capable of searching for license plates and predicting vehicle routes, displaying them on the map.
- ◆ Supports connectivity with various manufacturer IP cameras and is compatible with existing cameras.



# WHY CHOOSE ATOM?

## ✓ SEAMLESS AI INTEGRATION

Unify all smart city operations under a single platform.

## ✓ REAL-TIME ANALYTICS & AUTOMATION

Boost operational efficiency with automated workflows.

## ✓ SCALABLE & CUSTOMIZABLE

Designed to adapt and expand based on city needs.

## ✓ ENHANCED PUBLIC SAFETY & SECURITY

Advanced AI reduces crime, traffic violations, and emergency response times.