



SMART  
LIVING

## Emergency System

Employ a smart emergency system with a convenient push-to-call button for anyone having an emergency to call for help. Then the person will be automatically connected to an emergency team with a picture, intercom communication, and emergency light on the spot to pinpoint the location and provide safety for the caller. The system is ideal for public venues, highways, communities, schools, factories, or organizations that require safety and security.



## Smart Sensor

Employ a smart sensor system that detects malfunctions of electrical devices such as street lights, water pumps, weather/humidity sensors, and call points, allowing reading and closing/opening of the devices through a CT clamp as well as notifying a maintenance team to handle the situation. The system also supports LoRaWAN networks at 923–925MHz with no less than 16 dBm transmission power and internal battery designed to last longer than 3 years.

## CCTV System

Employ a CCTV system on an analytical platform to monitor and prevent crimes. The system is ideal for public services such as road traffic management, disaster prevention and mitigation, and public safety. Cameras from all different networks can be integrated into one display to streamline the process and enable the users to monitor the situation in real time on the screen.

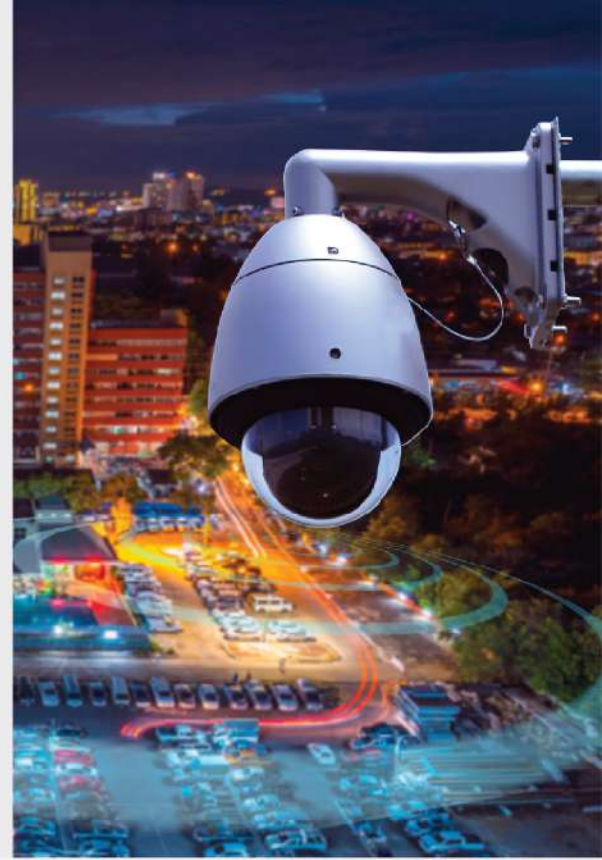






### Smart Parking

Employ an AI system that detects and recognizes objects or vehicles to manage parking lots to ensure sufficiency, reduce traffic congestion, facilitate customers, and provide safety. The system can be adapted for roadside parking lots to monitor the overall capacity, reduce traffic congestion, increase safety, investigate the damage, and reduce pollution.

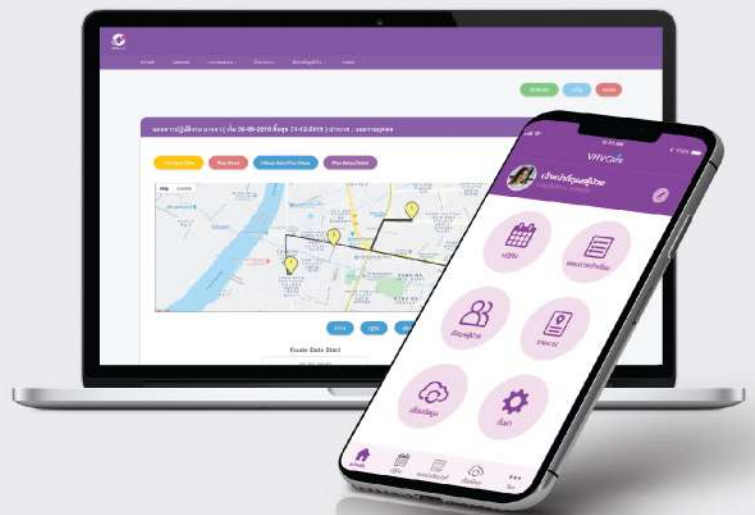


### Smart Pole

Employ smart poles with an advanced design that supports the mounting of street lights for safety, WiFi routers for wireless connections, CCTV cameras, PM2.5 sensors, temperature/humidity sensors, emergency call buttons, LED screens for publications, and speakers for public announcements.

### Smart Health Solution

Employ a healthcare system that provides bedridden persons with more convenient access to public healthcare facilities. The system helps locate bedridden persons more easily, enhances efficiency, streamlines the document process/resource planning, and saves costs.







### Smart Billboard LED Full Display

Employ a digital billboard system to create a good image, government authority–citizen relations, and company–customer relations, promote credibility/dignity for organizations and business entities. With the system, information updates can be displayed immediately, a timer on/off can be set, waste materials, budget, lead time, and manpower are reduced while reaching and covering a wider audience.

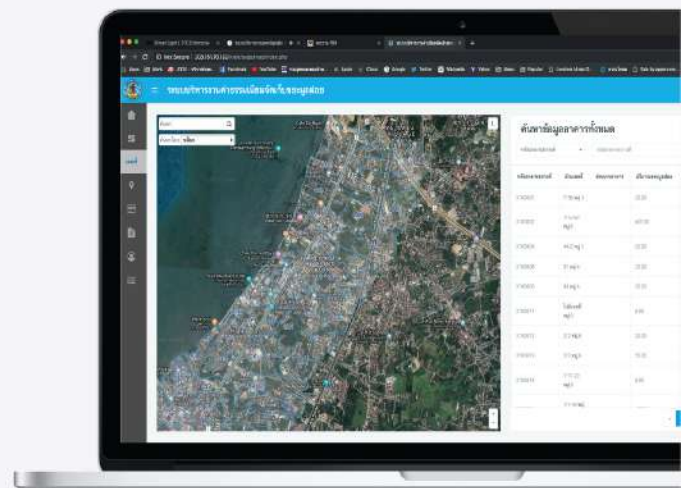


### Smart City App

It is an application that provides citizens with access to public services such as news, complaint filing, report channels, and feedback channels to enhance the efficiency, convenience, and speed of the services.

### Smart Collection

Employ a system to survey and manage garbage collection fee transactions and other charges levied by local authorities with the use of a GIS mobile application to manage the subscription list, enhance the management process, and streamline the garbage collection fee transactions according to the “Thailand 4.0” policy for the economy and environment.







## SMART MOBILITY

### Passenger Bus Tracking Device DTC BUS LINE

With the system, traveling is no longer a hassle because the system displays the routes and trip duration. Passengers can also find a route, pick a stop, timetable, and the closest line.



Display the position and trip duration of a bus in real time



Display the plate number, driver I.D., and current speed



Display the expected time of arrival of each stop through the application



Planning a trip is easier than ever



### License Plate Recognition

The analytic system screens license plate pictures to identify the type of vehicles, plate detail, vehicle color, and province of issue.

- Plate information can be used to trace a suspect or a particular vehicle
- Support all kinds of license plates and GPS tracking devices
- Support vehicle tax payment interfaces
- Read AEC license plates



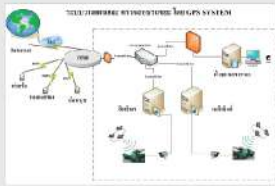
### References of IoT Solutions (in royal events)

- The 2018 Bike for Dad event, a GPS system and spare battery were installed on the bicycles linked with 12 computers to track the royal group on a digital map in real time.
- The 2019 King Rama 10's Coronation Ceremony, a GPS tracking system was installed in the royal motorcade to monitor safety and trip status on a digital map in real time.
- Coronation Ceremony – Grand Royal Barge Procession, a route map was produced and used in combination with the GPS tracking system installed on the royal barges to control the speed and gap distance through the cooperation between the DSI and Royal Navy.





## Government References



**Garbage Truck Trip Analytic System** – The system analyzes the trips of garbage trucks by using GPS technology. It enhances the management and truck monitoring as the dispatcher can analyze the zoning and routes of each period to plan proper garbage collection schedules to avoid redundancy, missing areas, and ensure good feedback from the citizens.



## Emergency Call System



The smart emergency call system is developed in response to the Thailand 4.0 policy in the form of a mobile application where users can send an emergency message together with pictures, videos,

descriptions, and locations to a local emergency responder for help.

## Pattaya's Smart Waste Collection



The system surveys and manages garbage collection fee transactions and other charges levied by local authorities with the use of a GIS mobile application to manage the subscription list, enhance the management process, and streamline the garbage collection fee transactions according to the "Thailand 4.0" policy for the economy and environment.

# Examples for developing various systems for government agencies

## GPS for Public Service Vehicles

The GPS tracking system manages public service vehicles such as garbage trucks, fire engines, and ambulances. Many local administrations have already been using it including Bangkok, Phuket, Nonthaburi, Ubon Ratchathani, and Khon Kaen.



## Smart Emergency Call

Phraeksa District has begun the "Phraeksa Smart SOS" project by using the smart emergency call system in the area to provide the citizens with a convenient channel to call for help in an emergency or local information 24/7.



## Smart Weight Station



The system enhances the efficiency of garbage truck management by using CCTV and RFID technologies to improve accuracy and streamline the garbage weighting process. With the system, the punctuality of garbage collection can be maintained to ensure reliable service for the citizens.





# Customer Testimonies



## Krungthai General Services and Security Co., Ltd.

As we are a secured transportation company, the vehicle tracking system protects and monitors us very well. D.T.C. and its nationwide network coverage are our choice.

**Wisit Towiwek**  
Senior Director – Security Management 4 in charge of Security Management, Krungthai General Services and Security Co., Ltd.



## Mon Transport Co., Ltd.

We chose D.T.C. because they are the best GPS fleet management system provider. We no longer worry about monitoring our valuable assets.

**Sirimon Usap**  
Chief Executive Officer



## Siam City Cement PCL

We chose D.T.C. because they meet our hardware/software requirements, their aftersales services, and they have been in the business for a very long time.

**Worawut Taowongsa**  
Logistics Operation Manager





And many more  
from our 12,000 customers.

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