



CITIZEN  
CENTRIC  
COMMUNITY



OFFICE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

# CITIZEN CENTRIC COMMUNITY

Maximizing potentials of ICTs in addressing social, economic, environment challenges can play an important role in achieving the 2030 Agenda for Sustainable Development which was adopted by all UN member states with 17 Sustainable Development Goals (SDGs).

The United Nations Office of Information and Communications Technology (UN OICT), provides software solutions to support the Sustainable Development Goals. C3 (Citizen, Centric, Community) is the centerpiece of its efforts for supporting SDGs with a wide range of innovative applications.

For more information on Sustainable Development, please see: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>



# C3 Transport Apps



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## Rideshare

Share the ride and carpool with anyone in your community at anytime you prefer.

No matter if you wish to be the passenger, driver or both



6

## Community Bike

Find the available parking, and unlock and pay for the bike rental directly through your smart phone



# 6

## Public Transport

Find out the current location of the public transportations (including bus, tram, train and etc.), and let the app help you minimize your commuting



# 7

## City Parking

Plan your route, and pre-book the parking space in the selected parking lots within your community





## C3 Transport Overview

A well-planned transport system is essential for sustainable urban development (SDG 11). Economically, transports are the basis of economic activities such as industry, commerce, trade, tourism, and services. Given that an absence of a good transport system often gives rise to a longer delivery time and high costs to business, it can deter cities from attracting investments required for economic development (SDG 8 and 9). Socially, transports not only facilitate access to the basic social services like health care and education, but also contribute to the quality of life with an increased access to recreation and more leisure time. Lastly, the transport system is closely linked to environmental issues in cities such as air pollutions (SDG3), greenhouse gas emissions (SDG13), and use of natural resources (SDG12)

However, as evidenced by a high level of traffic congestions, many cities have not been able to provide appropriate transport systems. Although significant improvements in public transportation system and infrastructure have made over past decades, it wasn't enough to keep up with the rapid inflow of population in the cities and the growth of private vehicles. Moreover, it is difficult to consistently develop or expand the infrastructures due to financial and social restraints.

Addressing urban transport challenges with improving the efficiency of existing transport systems has become critical. Recognizing innovation opportunities utilizing ICTs, the EAC Bangkok offers a range of products to address urban transport challenge.



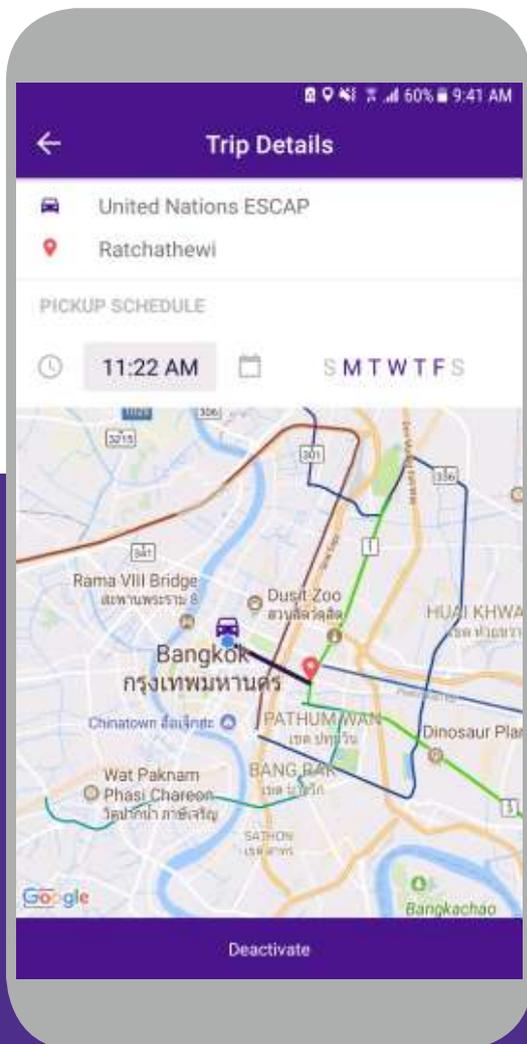
# RIDESHARE

carpooling app for communities

The Rideshare facilitates carpooling by automatically matching private vehicle owners and others. In many cities, especially in developing countries, people have no choice but using their private cars due to a lack or inconvenience of public transportations. In this case, carpooling between people with the identical or similar daily commutes can effectively reduce the number of cars on the road and mitigate traffic congestion. However, although the benefit of carpooling has been widely known, the burdensome process of finding other commuters and communicating with each other has prevented people from organizing it.

## Features

The Rideshare makes the process of carpooling significantly easy. It is easily usable by anyone as it is an app on mobile devices (smart phones-available for both Android and iOS, tablets) and need only a few taps for a ride. Passengers can choose pick-up point, destination and a departure time. Within the user's specified time and location ranges, the app proposes matching vehicles and passengers can confirm booking. Other features include messaging, alarms and filter options.



### ADD YOUR DESTINATION

find route from your current location, or any location you want to start



### FIND YOUR RIDE

search for colleagues who drives and shares the same route with you



### KNOW WHEN YOU WANT TO LEAVE

set the time and date to your preference

Rideshare is a part of the C3 Transport Suite



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in partnership with



## Community Bike



### Features

The Community Bike is to further enhance convenience and efficiency of the bike-sharing systems by replacing the Smart Cards with a mobile app. By simply scanning a code of a bike via this app, the users will be able to unlock the bike and the payment will be made automatically. Moreover, other useful functions will be integrated: people will be able to report issues through this app and check availability of bikes and parking slots beforehand.

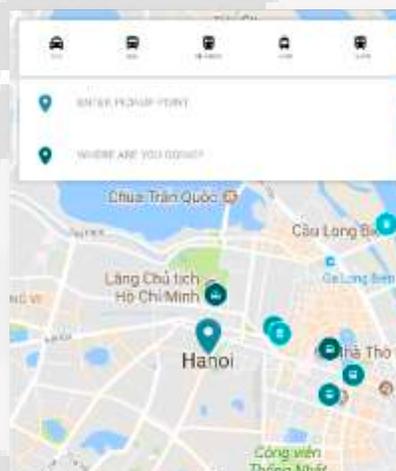
Over the past decade, bike has successfully become a popular mode of transports thanks to public bike sharing systems led by cities. The bike-sharing systems increase access to bikes as people can easily rent a bike from a bike station and return it to another bike station located near their destination. It started in European cities and has been rapidly expanded in the other parts of the world.

Technologies supporting the systems have evolved with its increasing popularity - Coin Deposit systems which were widely used in the beginning of the operation were mostly replaced by Smart Card system, and also, applications to show real-time availability and GPS tracking systems have been developed. These technologies, in turn, made the bike-sharing even more popular, creating a virtuous cycle.

## Public Transport

### Features

It helps people to make informed decisions in making travel plans by providing different transport options for the intended journey and tracking the real-time location of buses. It allows people to be informed of the actual arrival time of buses and the expected travel time.

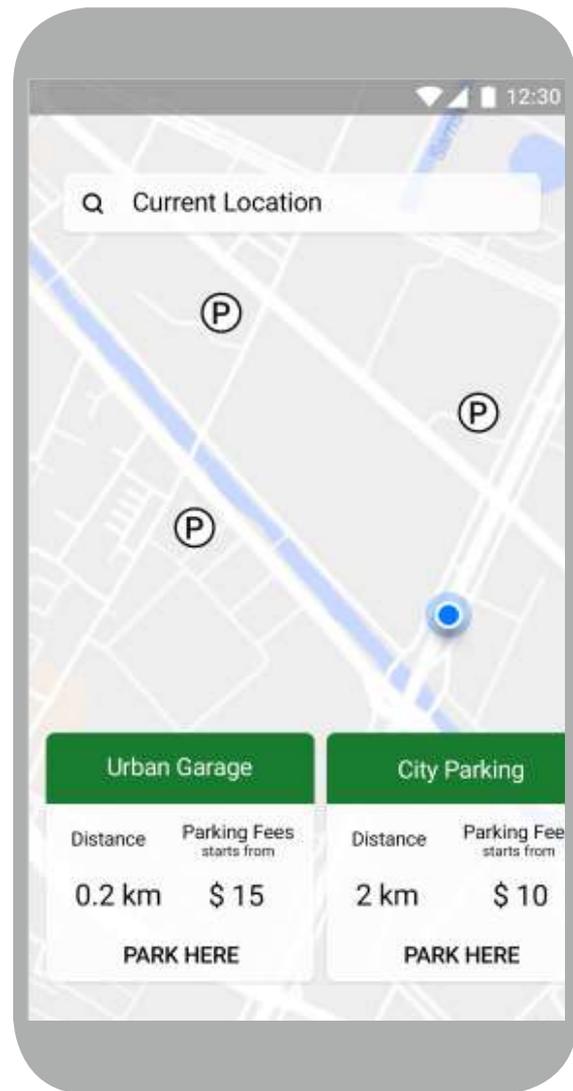


The unpredictability and unreliability of public transportations have been a major drawback in promoting its greater use: the unpredictable travel time has prevented many people from using public transports. The existing timetables are often inaccurate as it does not reflect real-time road situations and poses an uncertainty on the actual arrival time of buses and the travel time. The Public Transport app is a smart solution to address this issue, with relative low costs and short implementation time.

## City Parking

Parking app identifies available parking spots near the desired destination and allows booking a place at the expected arrival time. Needless to say, the direct beneficiaries are the users as it significantly reduces the time they could waste while searching for an available parking spots. However, with appropriate policy supports, the app can greatly contribute in moving toward a sustainable transport system.

While the mobility in cities is important, the increase in the number of car has caused problems such as air pollution and traffic congestion. Consequently, the importance of limiting private vehicle use has been discussed. Sustainable parking management, among others, can play an important role in this matter considering the impacts of parking pricing strategies on the use of private vehicles. Appropriate parking pricing policies can be effective in controlling the number of private vehicles and promoting alternatives such as public transportations and carpooling. Moreover, through the fund raised through parking fees can be used for development of public transportations.



City Parking - Find a parking screen

For this, the parking app can be a useful tool for policy makers when establishing or implementing such a management system in cities. For example, the data collected from the application provides the utilization trends of parking areas and it can be helpful in forming optimal price which reflects the real value of the parking and also in optimizing the land use.

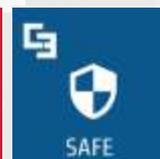




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other solutions in the C3 Suite



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