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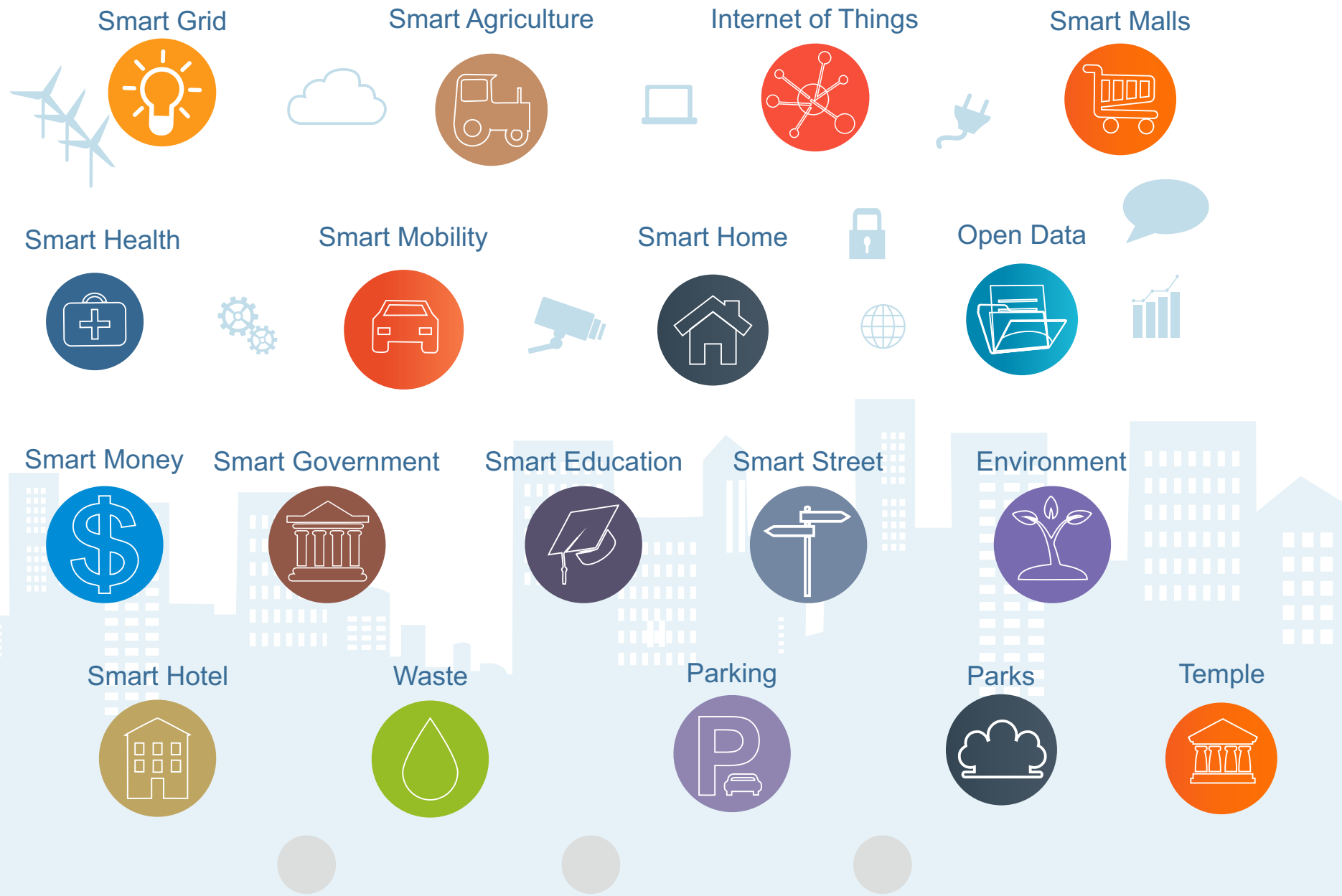


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SMART CITY



SMART MONEY

Concept Of a Smart City

Pay

For any Service

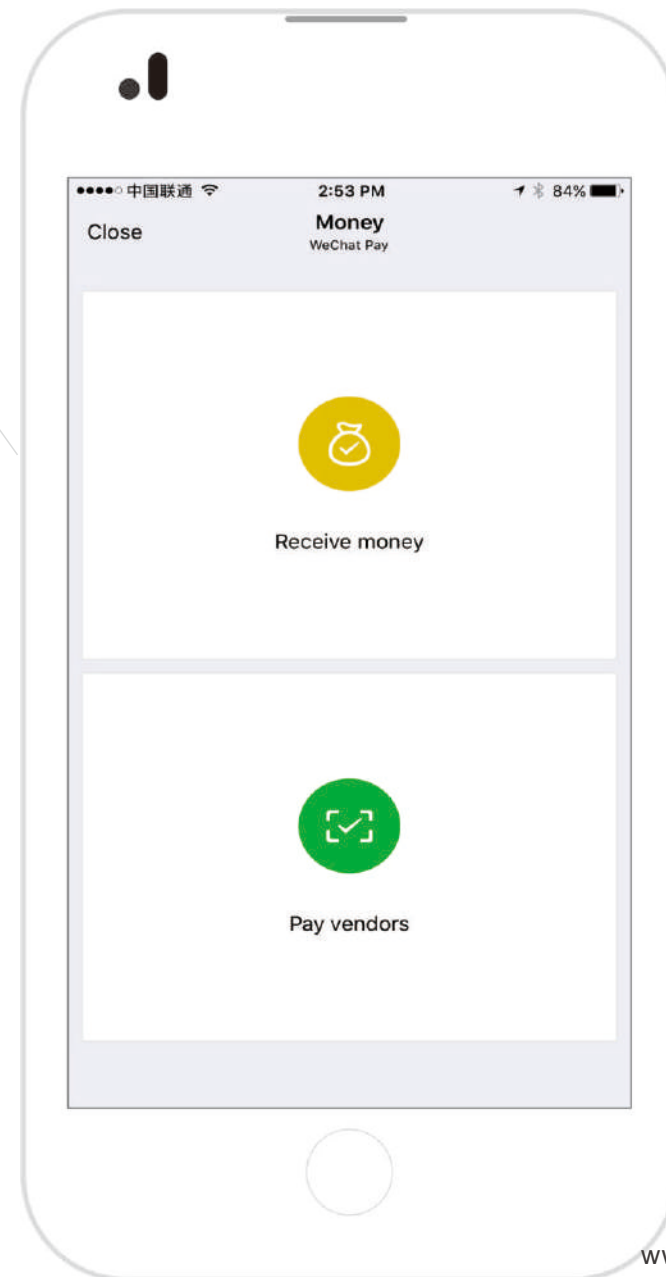
Receive

From Any One

Transfer

To any one

- Transfer to Family Members
- Managing Children Allowance
- Pay public Transportation fare
- Pay Grocery and Supermarket bills
- Pay online Utilities
- Reserve and Pay Tickets
- Pay Shops and deliveries



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IT ALL STARTS
HERE!



- Add Bank Cards
- Receive Salary
- Receive Cash from Friends
- Receive Gifts
- Receive Refunds
- Receive Special Offers
- Receive Cash for Service

04



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Cash On the Go
Wireless Money
Your Mobile Phone is all you Need

PAY - RECEIVE - TRANSFER
SCHEDULE - DONATE

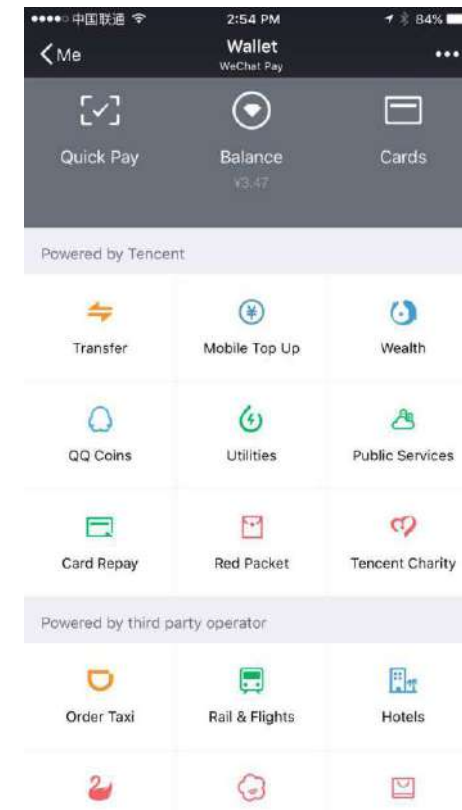
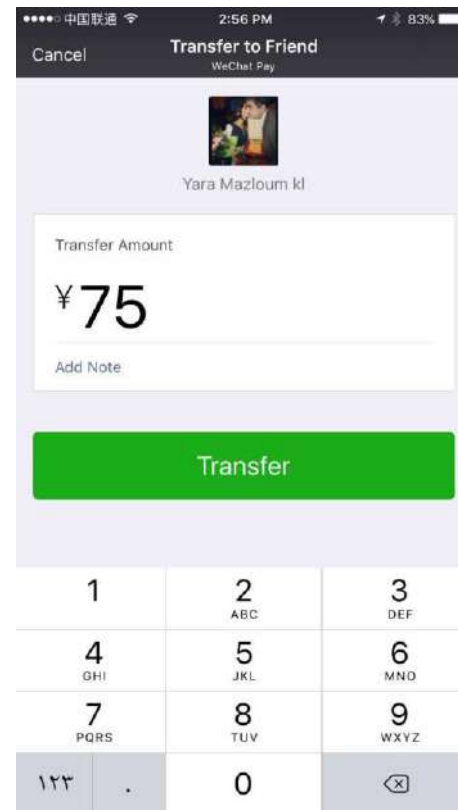
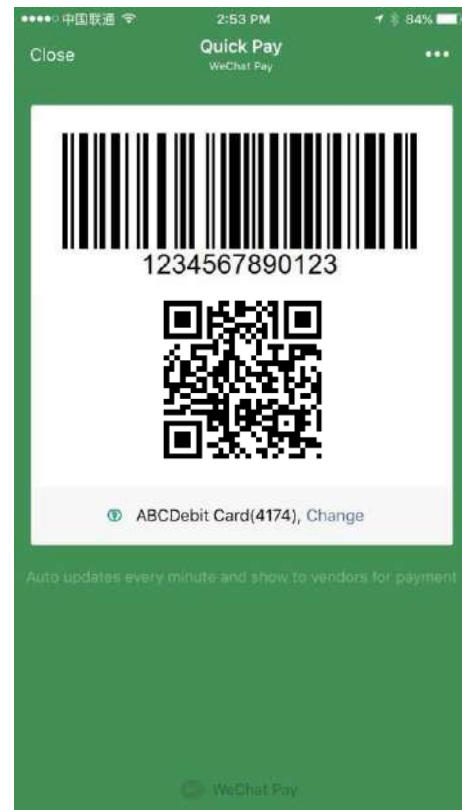
CHINA LEED



SMART MONEY is the **Heart** of the Smart City

Smart Money Handling within the City/Country is the base of all transactions and interactions with every constituent of such city, for example:

- Transportation: Reserving, estimating and Paying at convenience
- Health care: booking, medication, and visiting or admittance
- Communication: top up and offers enrolment
- Governmental: Renewals, fines and applications
- Utilities: Energy, Water, Gas, Electricity
- Education: Tuition, Trips, Books
- Hotels: Booking, checking in/out, dining



- My son need to pay the taxi fare
- My wife need to pay the plumber's bill
- My daughter is at the mall and she needa to pay hair dresser
- My brother arrived to town late and there are no money exchange houses open

Safely Carry your **Money** in your **Mobile** or **NFC Card**

Transportation

Concept Of Smart City

Smart-G4
Can

Train

check and buy your tickets

Car

When you need ?

Air

ticketing, arrival, departure

Boat

ticketing, schedules

Bus

routes, time, tickets



PLAN

- Where is BUS Now?
- When will the bus arrive?
- Has the flight landed?
- ET of custom/ Immigration clearance
- When is the next ferry
- How long is the trip? per type.
- Grab nearest TAXI
- How much to pay TAXI?
- What is the fastest Train trip?
- What is the best connection?

SMART HOSPITAL

Concept Of Smart City

OutPatient

Queuing, Appointment

InPatient

control, convenience

Treatment

medicine, diet, practice

- Enrolling and File Opening
- Insurance and Billing
- Habits and Allergies
- General Treatment file
- Donor membership
- Preferences



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Smart-G4
Can

- Estimated Time and People
- Doctor Information & Experience
- Next Clinic or Lab
- Where are you now (Map)
- My Hospital Day
- Symptoms and Health
- Special Visiting Doctors (Offers)

- I Feel Pain, Hot, Cold
- where is?.. I need to nurse my baby
- I feel hungry, thirsty
- I need to change my dress, bed sheets
- I need a wheelchair, walking assistance
- I need Nurse attention, to see a Doctor
- Control my lights, TV, drapes, AC

- What problems do I have?
- What is my medication, and how to take it?
- What is my diet?, How to follow it?
- What my physical routine?, Exercises?
- What to do before Lab test
- When is the next visit

Gets well Faster if
Patient Feels in control

SMART SCHOOL

Concept Of Smart City

Smart-G4
Can

BUS

scheduling, where is the bus?

Classes

time table, homeworks

Exams

times, dates, marks

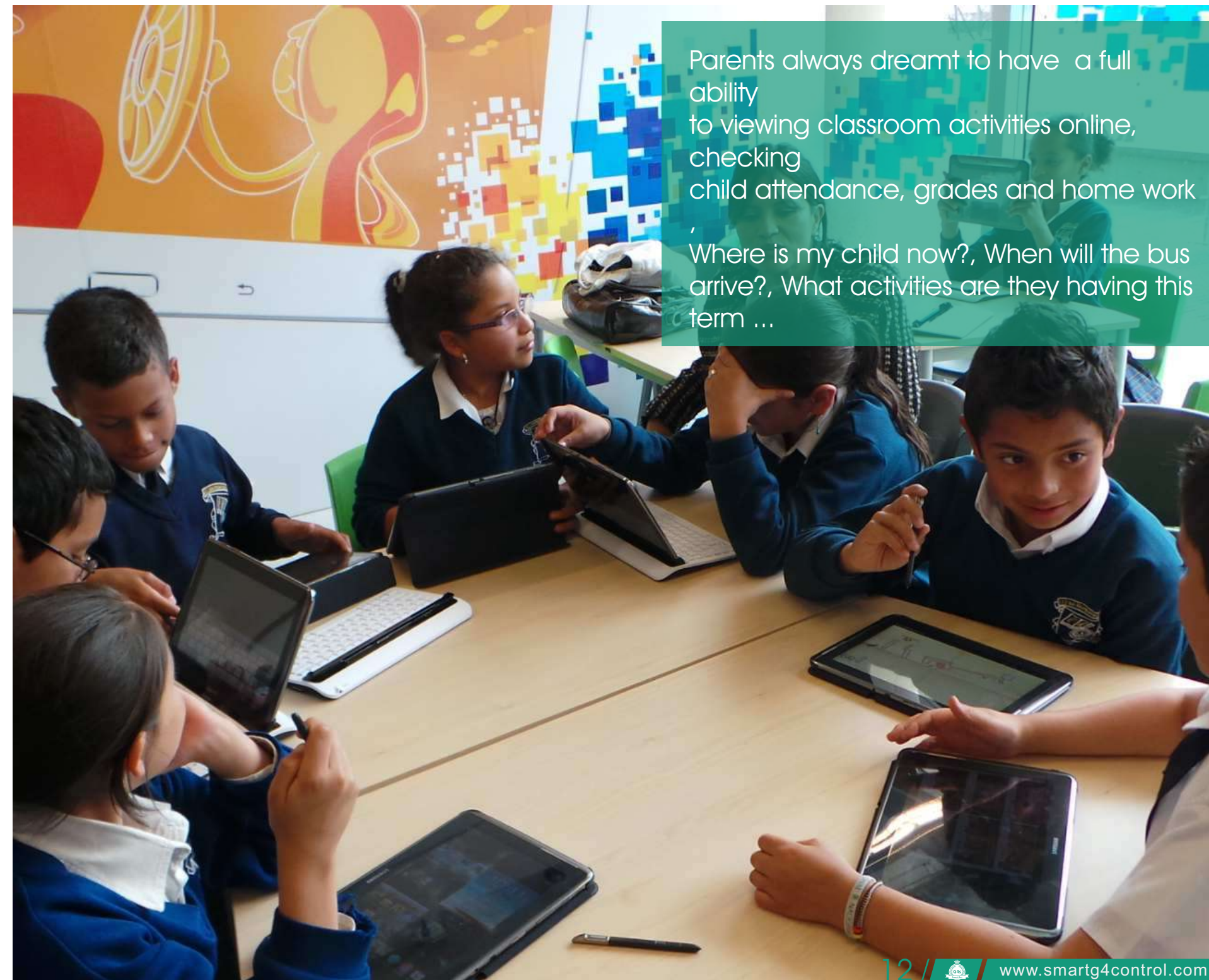
File

attendance, moral, comments

Smart classroom that can interact between students, parents and teachers. Capable of transferring work between students and teachers. Inform parents of homework and performance. Smart Classroom that controls its own ambiance and temperature in ease.



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Parents always dreamt to have a full ability to viewing classroom activities online, checking child attendance, grades and home work , Where is my child now?, When will the bus arrive?, What activities are they having this term ...

SMART STREET

Concept Of Smart City

Smart-G4
Can

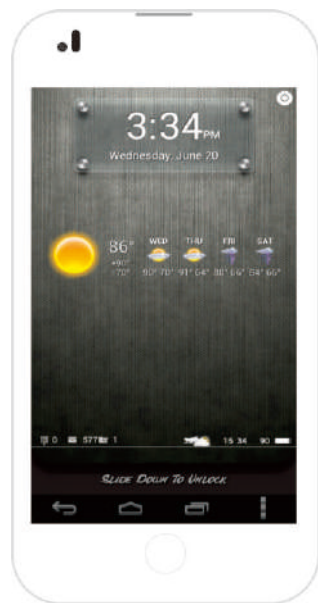
Street

light up street ahead, where to park

Sidewalk

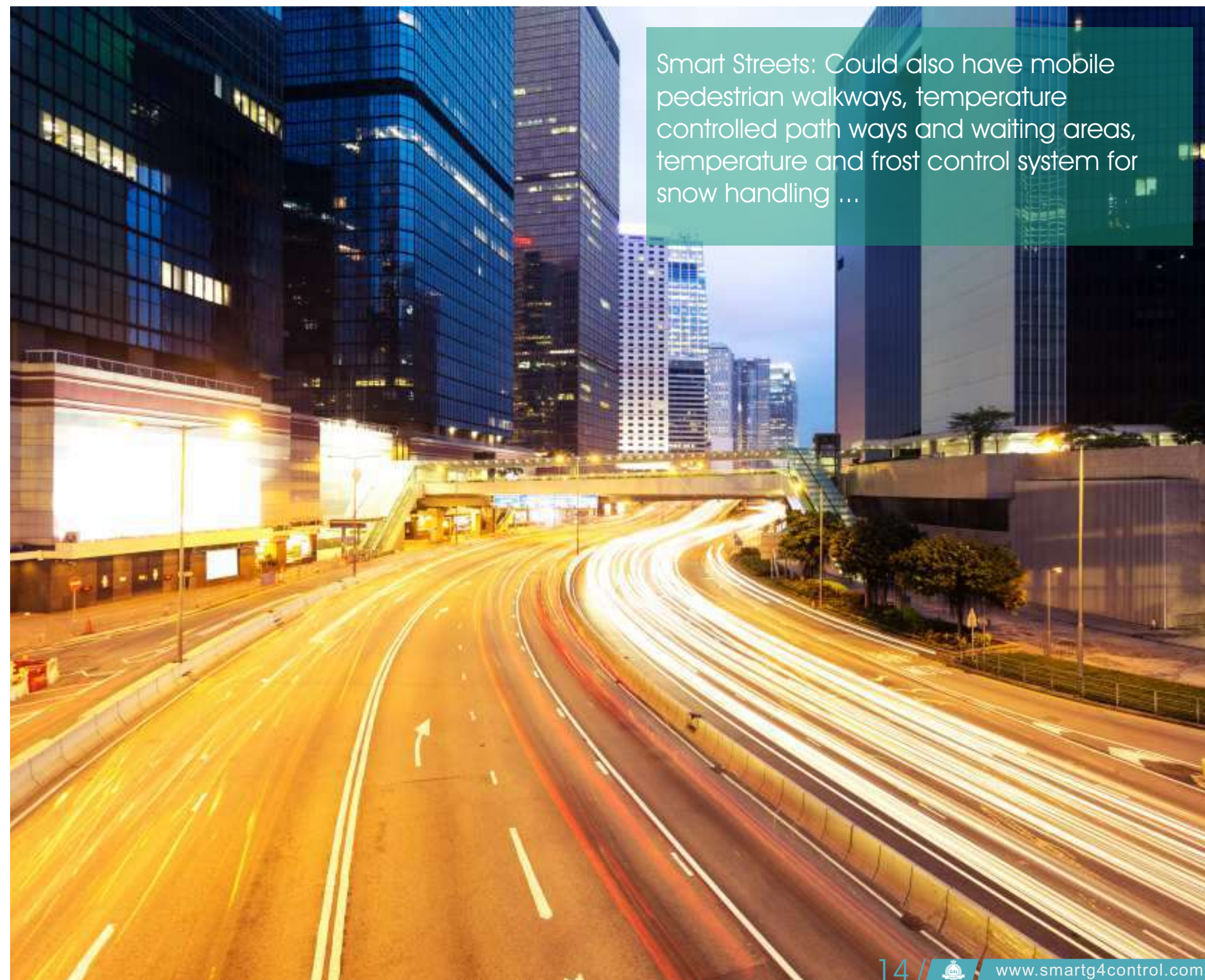
pay parking, light up walkway

Smart Streets: detects traffic, reports problems like: floods and clogs. Saves energy, brightens up for pedestrians, reports vacant parking spaces, adjusts according to clouds and darkness ...



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Smart Streets: Could also have mobile pedestrian walkways, temperature controlled path ways and waiting areas, temperature and frost control system for snow handling ...



14 /



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ENVIRONMENT

Concept Of Smart City

Smart-G4
Can

WAVES

FLOW

VIBRATION

CO

RAIN

NOISE

UV

PPV

A

Water
flow

1

B

Air
fresh

2

C

Earth
damp

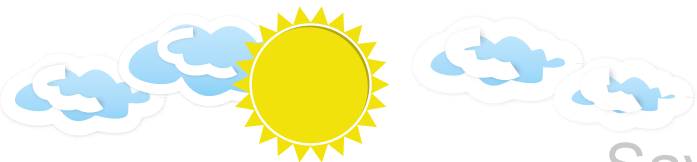
3

D

Wind
speed

4

E



Save Lives

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Environment impacts every thing in the daily city life. Weather, rainfall, snowfall, flooding, typhoons, hurricanes, and other alerts can anticipate disasters before they happen saving businesses and lives.

Air and water quality, UV rays levels alerts can enhance living and health levels

SENSORS, DETECTORS, NETWORK

SMART HOTEL

Concept Of Smart City

Smart-G4
Can

Portfolio

guest habits, likings, information

Check in/out

reservation and keyless check in/out

Location

easy offers on the go in the city

Network

world wide prevelages

Smart Hotel covers the easy control of Guest Room systems like: lights, temperature, service requests, curtains, music and video or TV channels...

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Imagine the ability greet accurately when your guests arrive. To have their favorite dish and wine available, to offer the best rates, points, bargains. As a guest: To check in, open the door for your companion remotely before you arrive. To easily checkout, pay and reserve again in full convenience. To have special offers pushed to your mobile wherever you are in the Smart City ...

SMART GOVERNMENT

Concept Of Smart City

Applications

passport, marriage, ID, certificates

Fines

Traffic, municipality, taxes

Regulations

rules, new laws, how to do

Smart Government is one of the most important ingredients of smart city. Citizens and any foreigner dwelling in the smart city would find it most convenient to know the rules and regulations, applications requirements and fees, timings and locations ...

Smart Government online system would make things very convenient saving time, efforts and queuing waste. Wherein online applications, checked document lists, pickup appointment, processing progress bar, delivery tracking, renewals reminders push notifications, fines payments and other are electronic ...

SMART PARKING

Concept Of Smart City

Smart-G4
Can

Free

free parking locations

Full

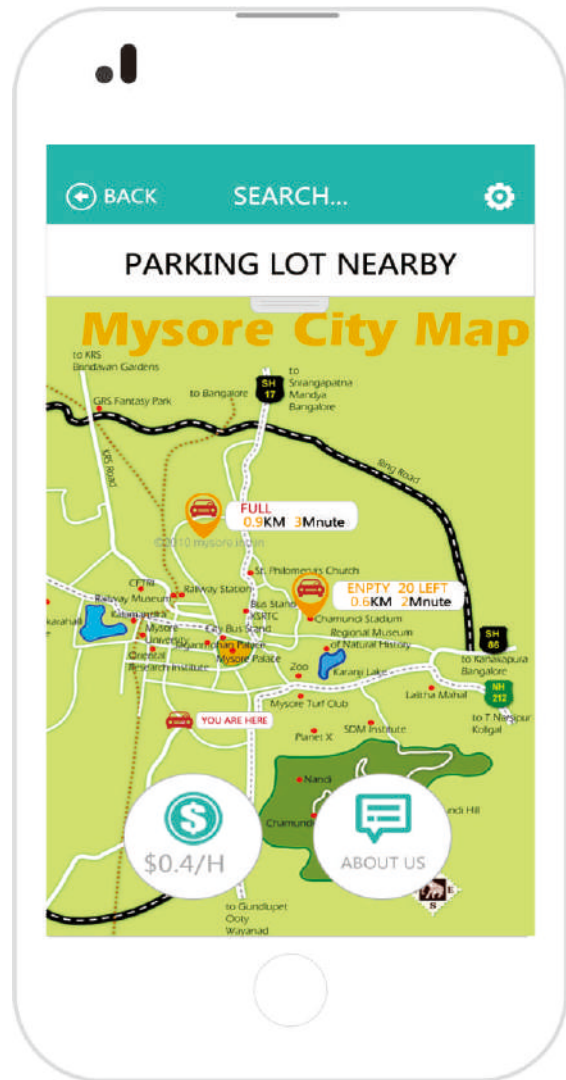
no spaces available

Display

easy directions and interactivity

Nearby

apps to find parking and pay tickets



Parking Vehicles is one major issue that smart city should be able to handle using convenient sensors and apps that allow easy finding of the desired parking space, reserving it for a fee, and paying for the parking online as well as finding my car...

SMART HOMES

Concept Of Smart City

Metering

saving energy, saving water

Curtain

shading to save or collect energy

Media

entertain well, communicate

Irrigation

if rain, stop system

Mood

health convenience, comfort

Light

the fourth dimension in life

Climate

temperature control for comfort

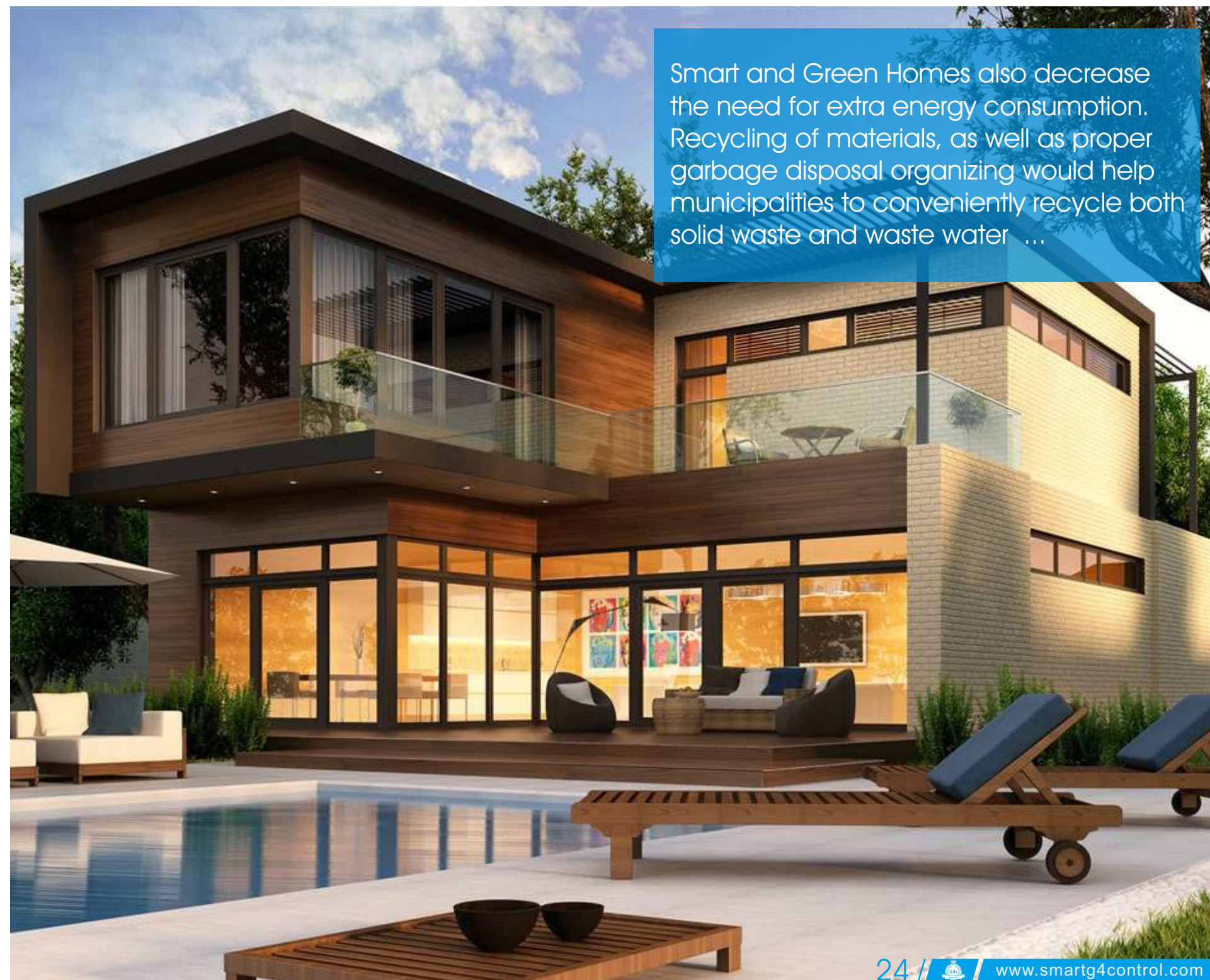


Smart Homes and apartments are very essential ingredient of Smart City. Having a professional smart control system would help to cut waste in water, electricity and power. This helps the city minimizing the need to expanding generator's capacity uselessly ...

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Smart-G4
Can

Smart and Green Homes also decrease the need for extra energy consumption. Recycling of materials, as well as proper garbage disposal organizing would help municipalities to conveniently recycle both solid waste and waste water ...



SMART Mall

Concept Of Smart City

Find

where is it?,, what does it offer?

Buy

see, touch, try, buy, pay



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Smart Mall has full energy saving, easy evacuation system, and intelligent marketing ability to fit the new smart city demands like: special easy apps for Broadcasting special offers, finding shops in mall, paying and warrantee handling ...



SMART Building

Concept Of Smart City

PA

announcement, BGM, evacuation

Shading

energy harvesting and insulation

BMS

elevators, pumps, chillers, boilers

Parking

space management, safety

Connect

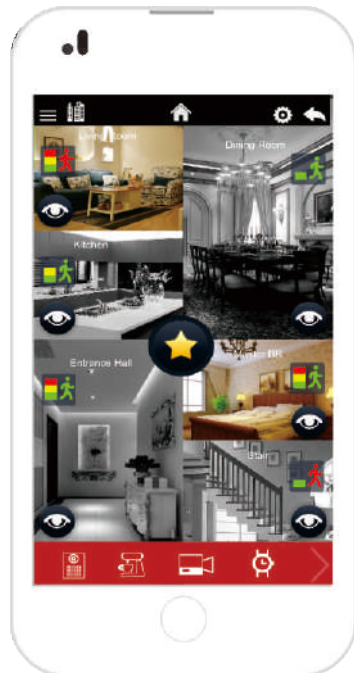
communicate, admit, deny

Lighting

comfort, beauty, ambiance

Energy

metering, climate control, saving



Smart-G4
Can

Smart Buildings are one major player in smart city concept. Starting from its materials, circulation, energy handling all the way up to the easy applications that minimize waste in efforts, time and resources while maintaining the best serviceability and comfort at all times.

Smart Shading system that adjust to sun movement, with electro tenting to harvest more energy. Space allocation and energy diversion and budgeting. Parking space smart re-assignment and management based on vehicle/user current location. visitor high security easy access, enchanted lighting that dresses the building with new looks at different nights...



SMART PARK

Concept Of Smart City

Smart-G4
Can

Reserve

entry tickets, rides, show, languages

Enjoy

pay, collect points, educate

Recommend

comment, share, rate

Museum

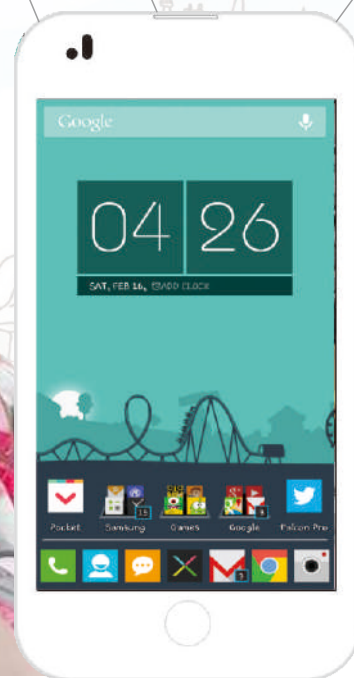


River

Valley

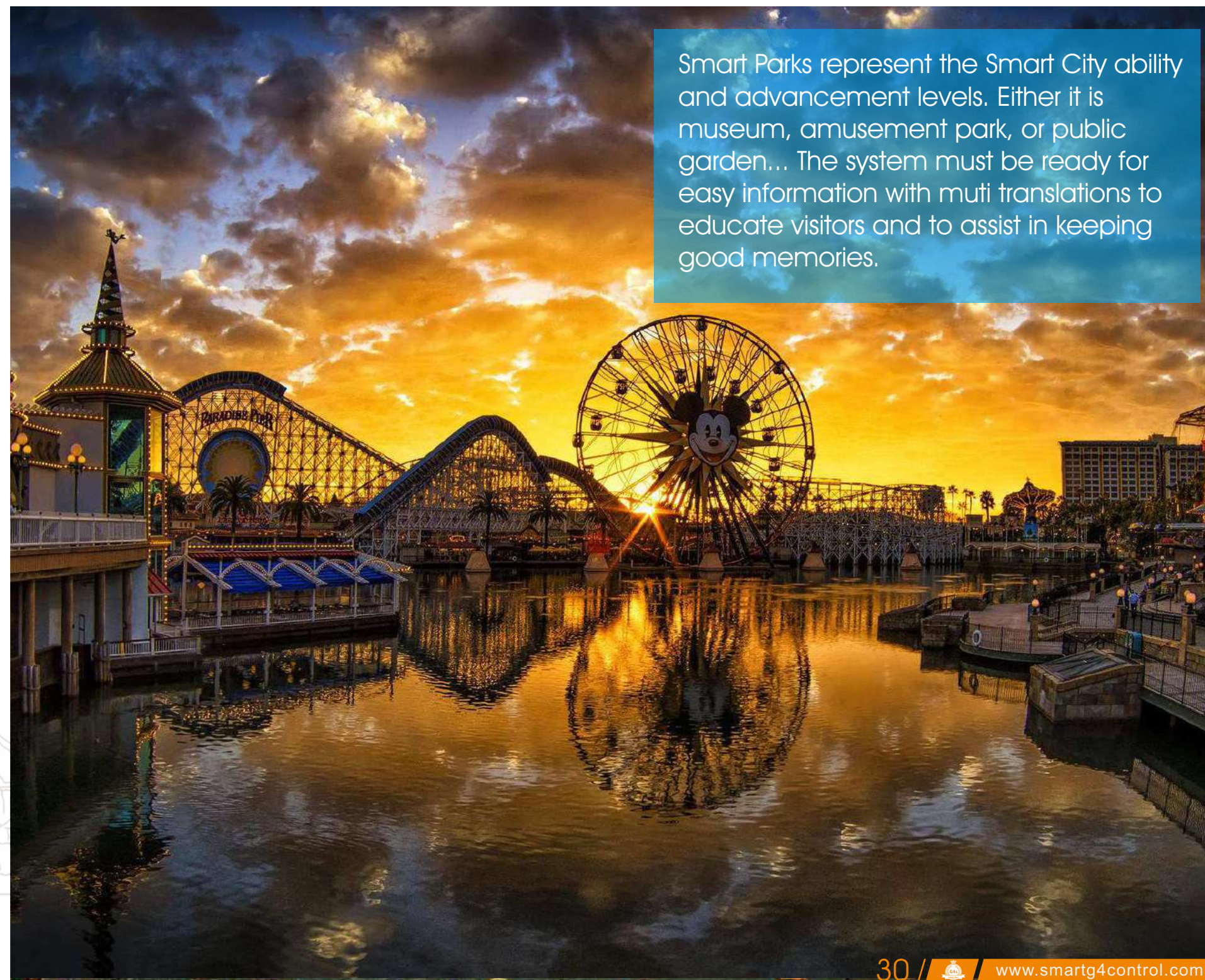
Rides

Amusement



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Smart Parks represent the Smart City ability and advancement levels. Either it is museum, amusement park, or public garden... The system must be ready for easy information with muti translations to educate visitors and to assist in keeping good memories.



SMART TEMPLES

Concept Of Smart City

Smart-G4
Can

Nearest

locations

Timings

prayers, ceremonials

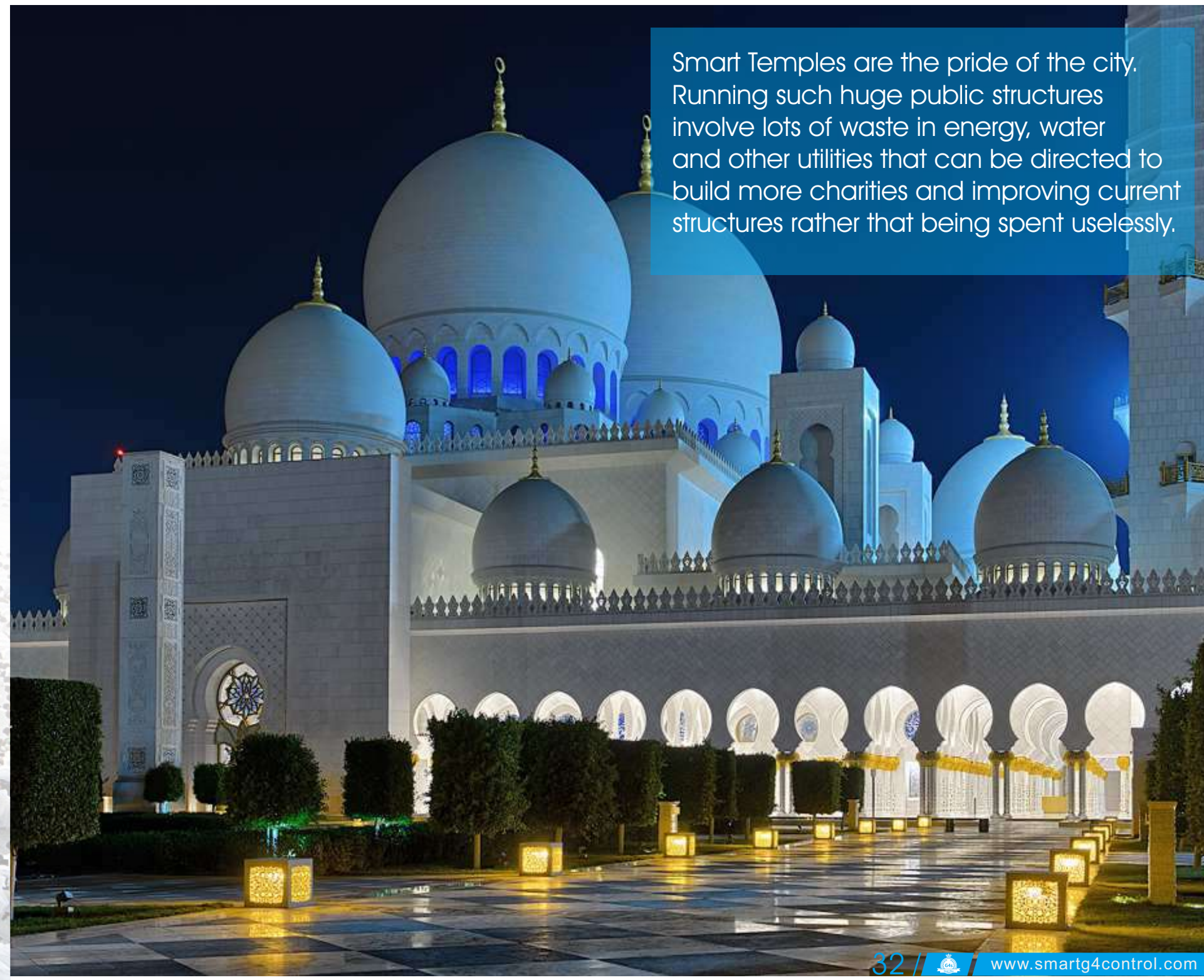
Regulation

dress, manners, education

Donation

help, donate money, service

Smart Temples are the pride of the city. Running such huge public structures involve lots of waste in energy, water and other utilities that can be directed to build more charities and improving current structures rather than being spent uselessly.



SMART WASTE MANAGEMENT

Concept Of Smart City

Smart-G4

Solid waste

metals, wood, glass, plastic

Can

Recycling

organic, non organic

Gases

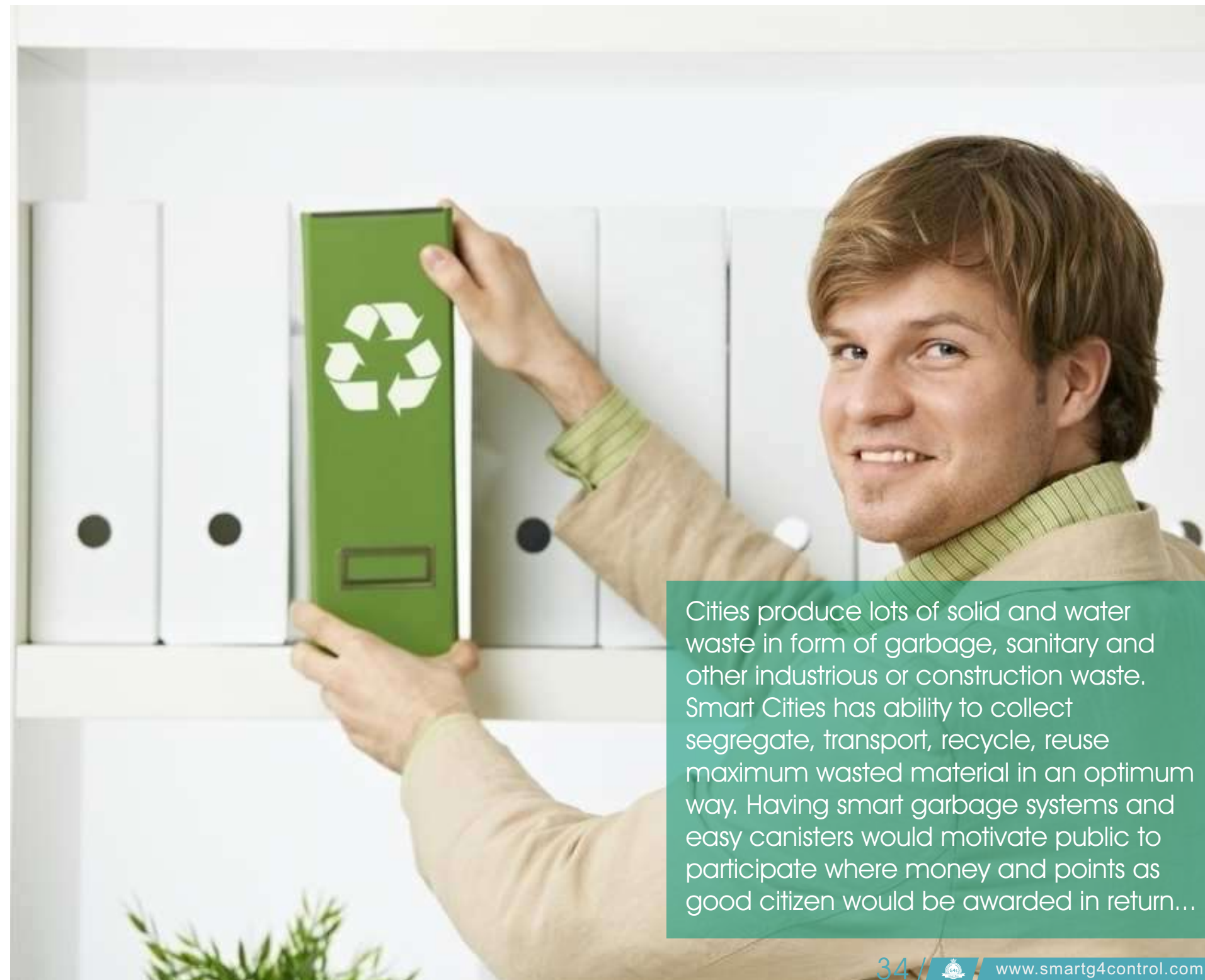
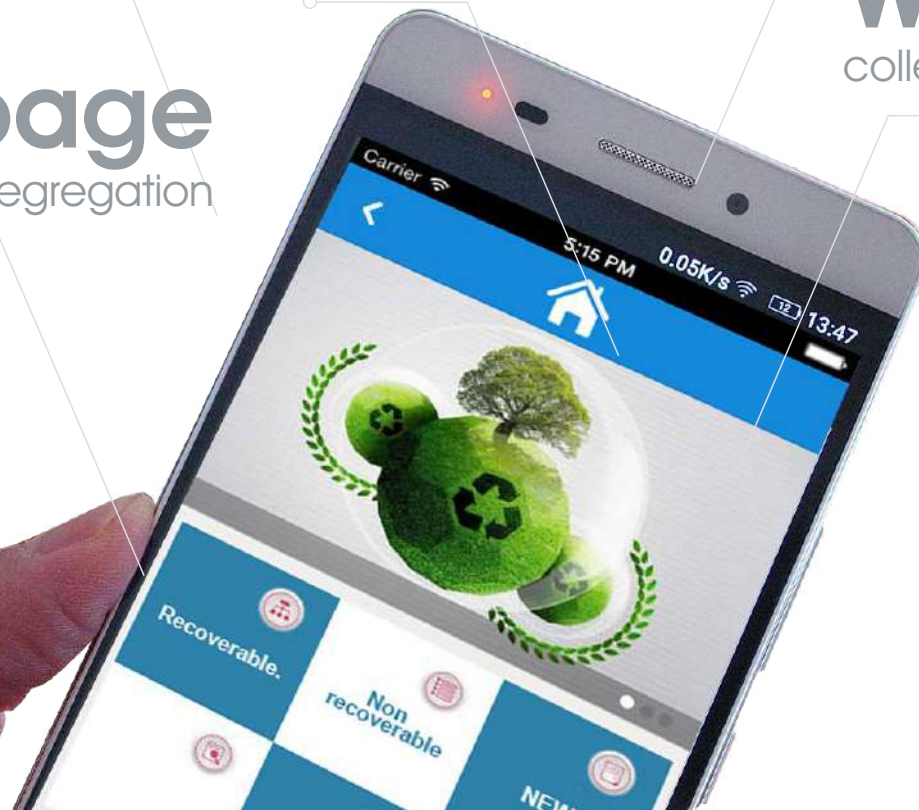
industries, garbage

Garbage

collection, segregation

Waste water

collecting, treatment



Cities produce lots of solid and water waste in form of garbage, sanitary and other industrious or construction waste. Smart Cities has ability to collect segregate, transport, recycle, reuse maximum wasted material in an optimum way. Having smart garbage systems and easy canisters would motivate public to participate where money and points as good citizen would be awarded in return...

SMART AGRICULTURE

Concept Of Smart City

Smart-G4
Can

Environment

flow, temperature, rain, wind

Soil + Water

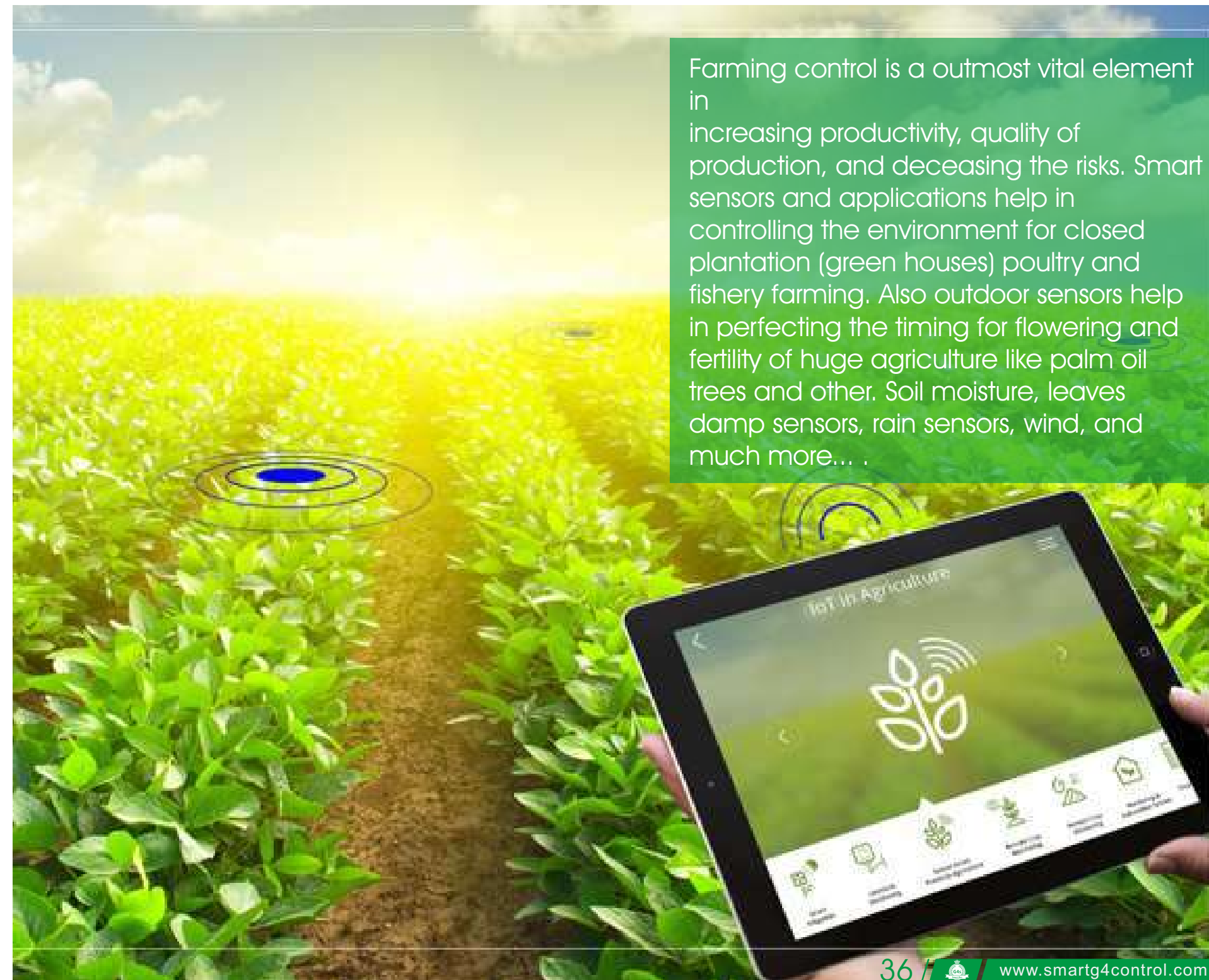
nutrition, quality, dampness, insects

Fertility

fish, trees, chicken, ...



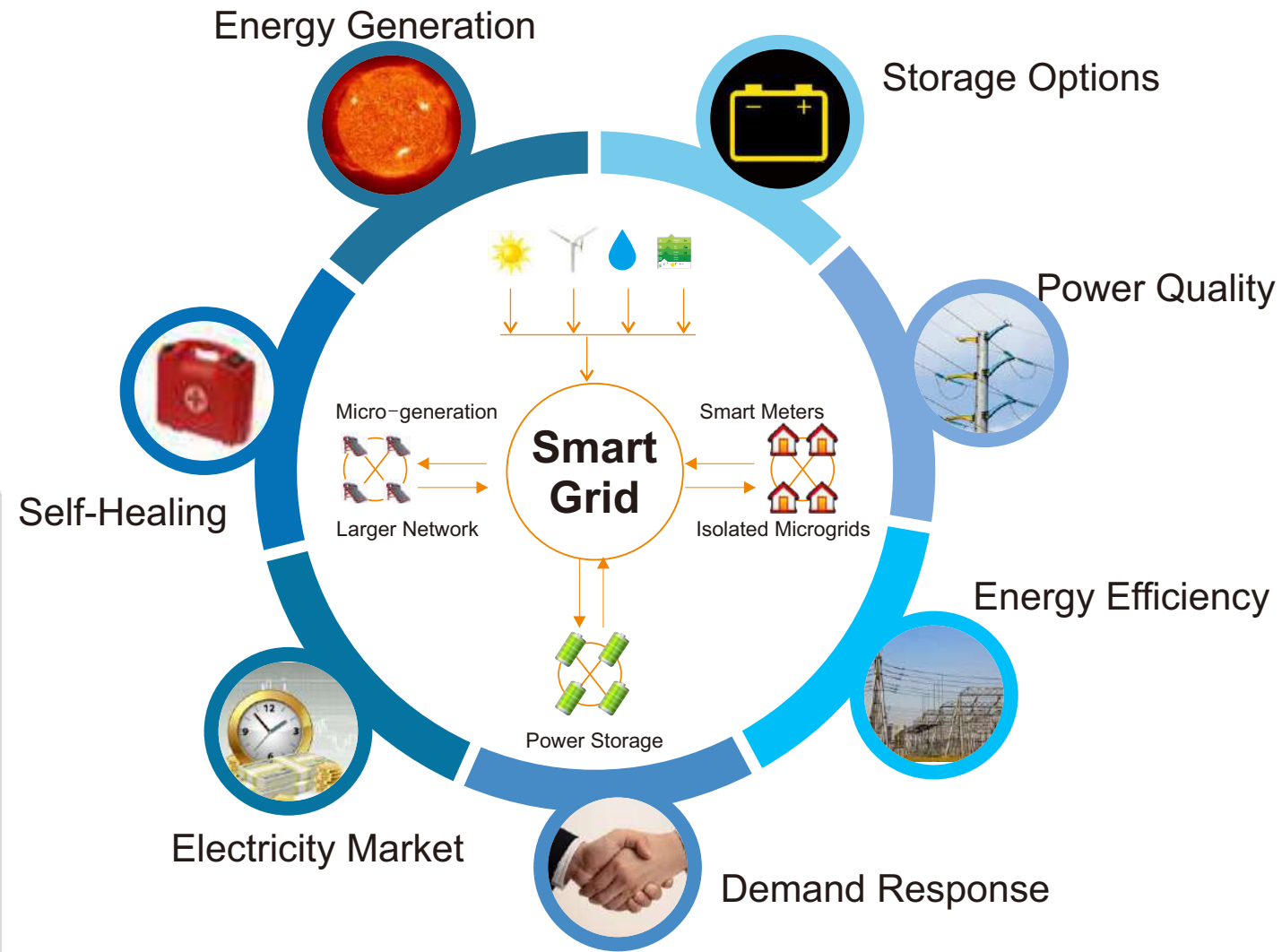
Farming control is a outmost vital element in increasing productivity, quality of production, and deceasing the risks. Smart sensors and applications help in controlling the environment for closed plantation (green houses) poultry and fishery farming. Also outdoor sensors help in perfecting the timing for flowering and fertility of huge agriculture like palm oil trees and other. Soil moisture, leaves damp sensors, rain sensors, wind, and much more... .



SMART GRID

Concept Of Smart City

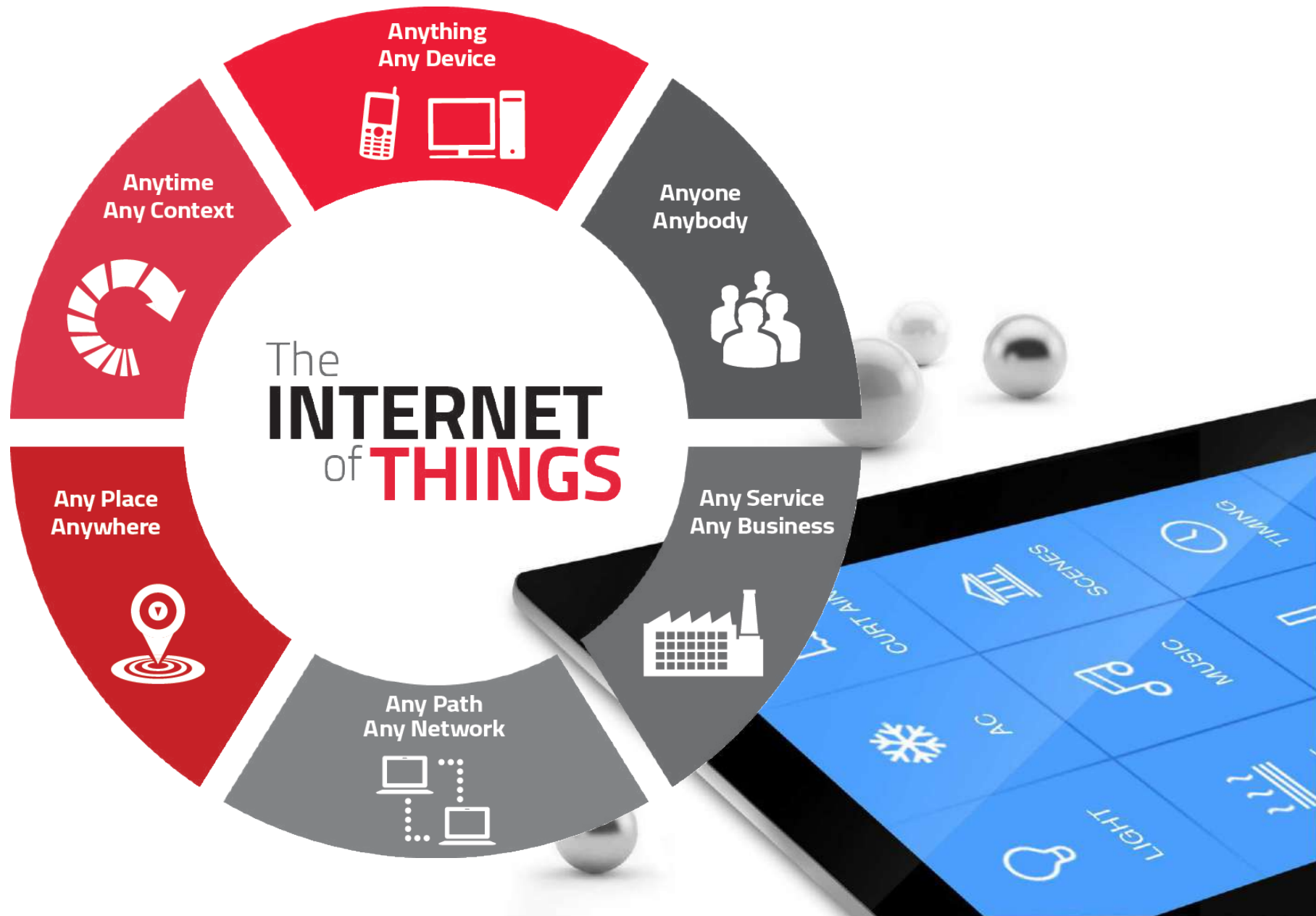
Smart-G4
Can



Participating in energy generation and encouraging public to care about energy value by producing, selling and sharing that energy to others, this would create a more smart energy efficient city where everyone becomes an investor that participate in generating energy and decreasing the waste and energy losses. (Everyone can be part of the Smart Grid market).

INTERNET OF THINGS

Concept Of Smart City



Smart-G4
Can



HOW G4 DO THINGS

G4 Engine Of Smart City



Simple Methodology

- 1- IOT Enabled Sensors
Smart-BUS Sensors with Internet Gateway
- 2- Human Apps in Mobile connected
- 3- Phones and Smart Devices
- 4- Analytical Cloud Software and reporting

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