SMART CITY

Concepts with G4 Touch

From User Perspective
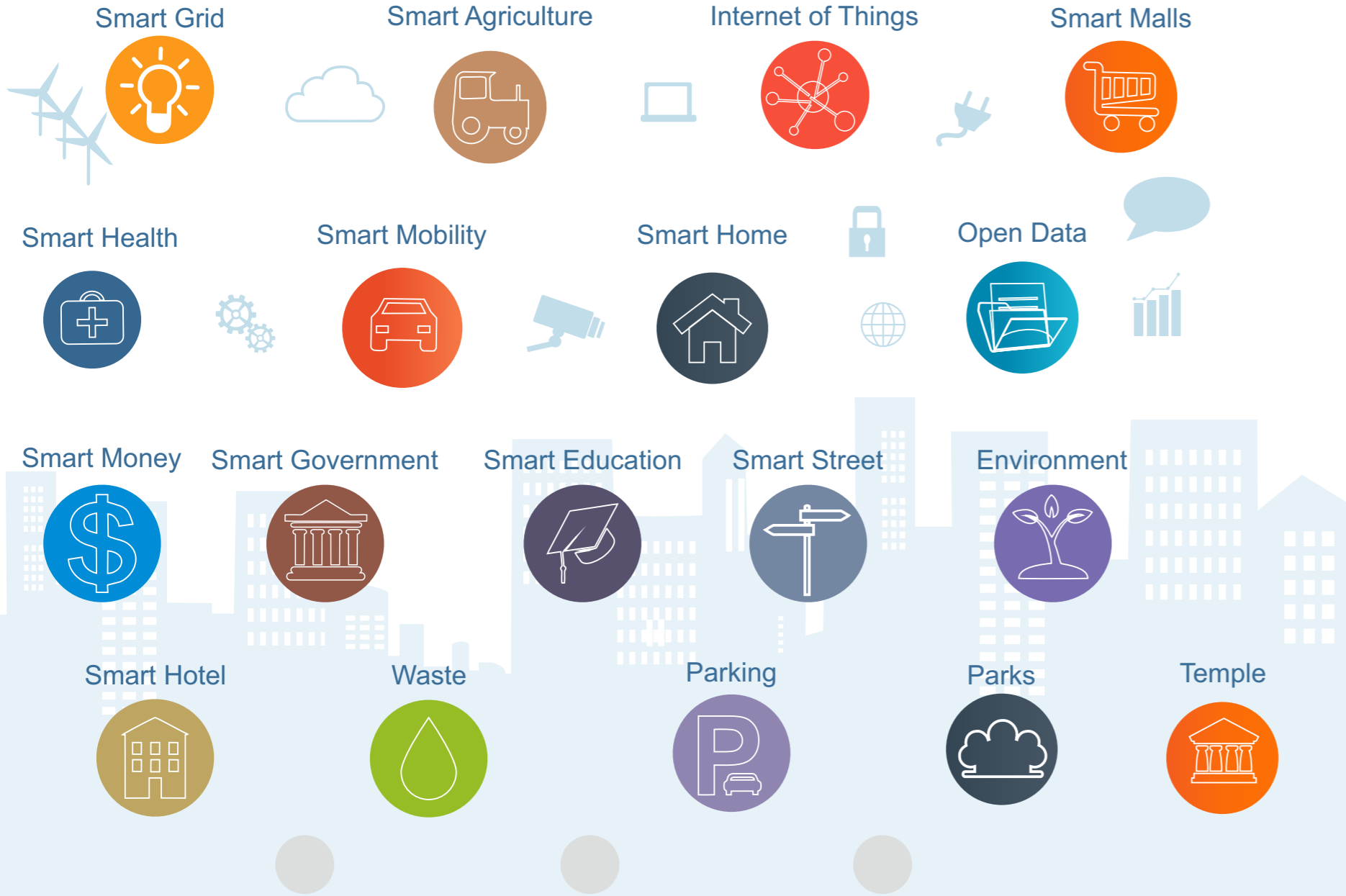
G4s Smart-Bus

www.smartg4control.com

SMART CITY

Smart Grid

Smart Agriculture

Internet of Things

Smart Malls

Smart Health

Smart Mobility

Smart Home

Open Data

Smart Money

Smart Government

Smart Education

Smart Street

Environment

Smart Hotel

Waste

Parking

Parks

Temple

Smart City is a complex mix of many ingredients that together form a complete harmonic flexible system which provides both government and people inhabiting or visiting that city with all convenience, speed and wastage free concept/solution…

SMART MONEY

Concept Of a Smart City

Pay
For any Service

Receive
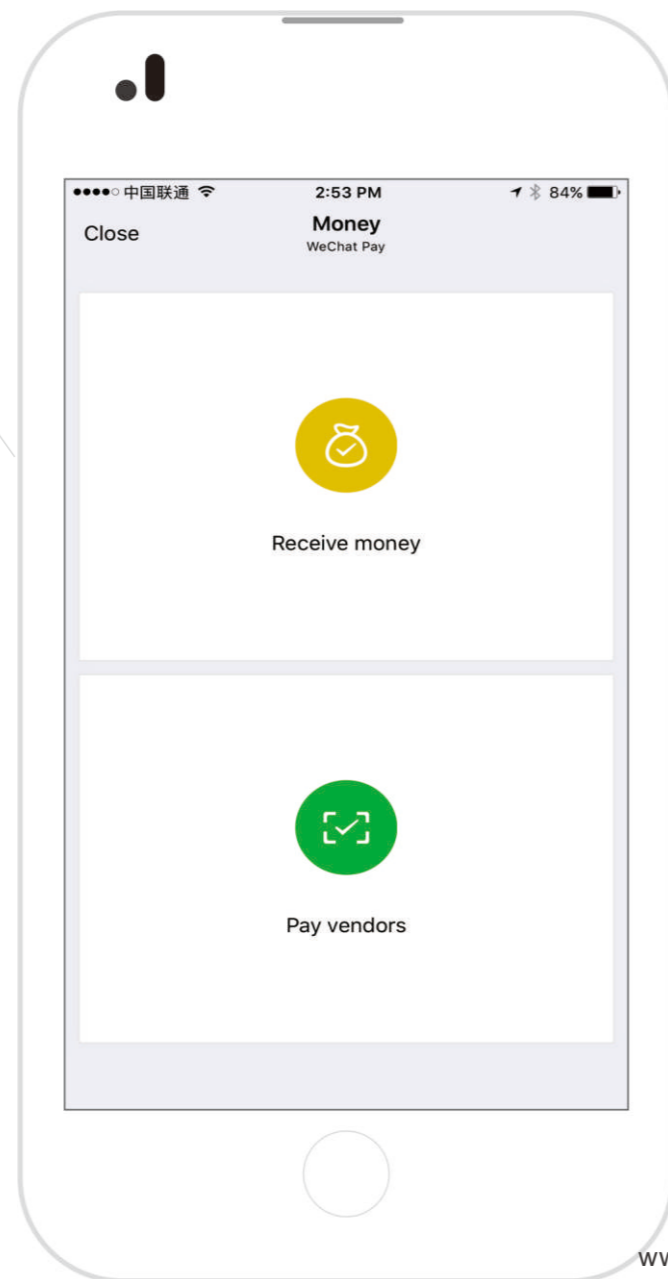### From Any One

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

Close | **Money**
WeChat Pay

Receive money

Pay vendors

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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

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
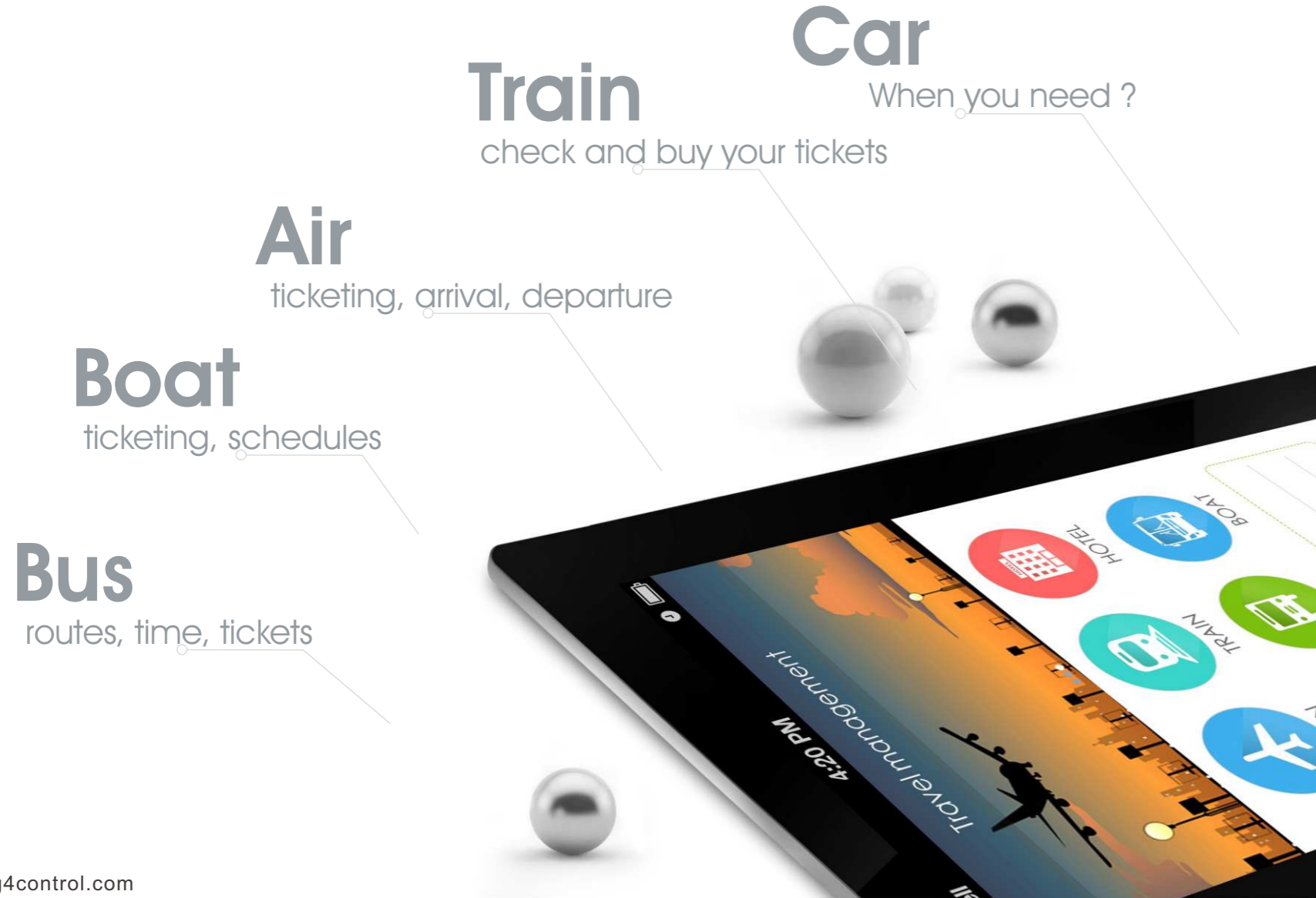- Hotels: Booking, checking in/out, dining
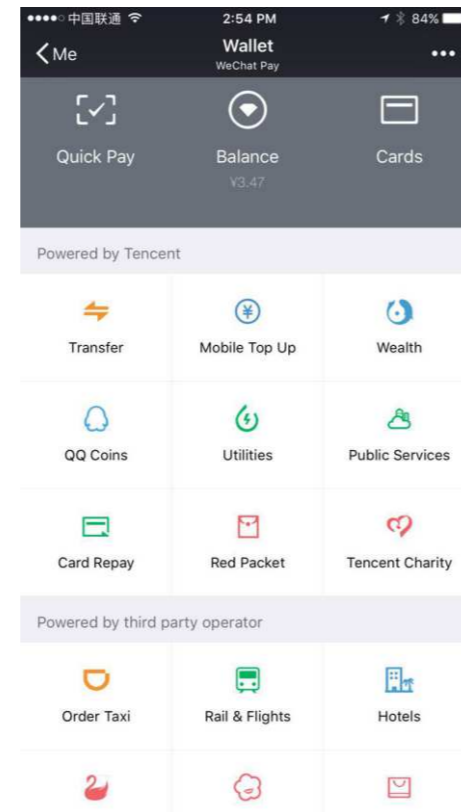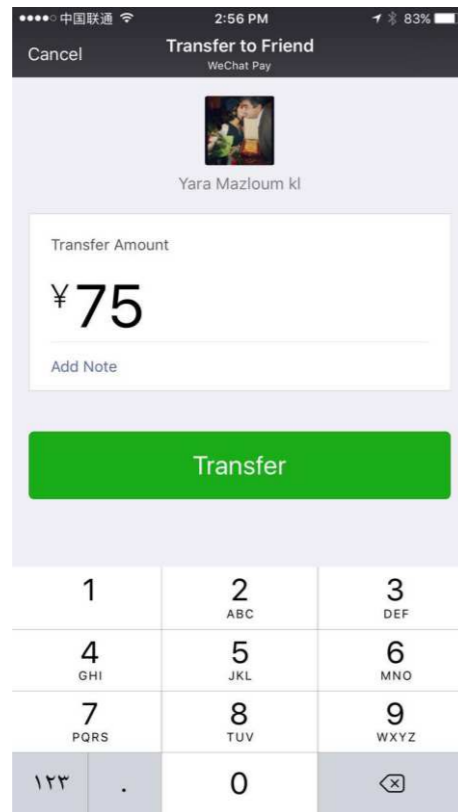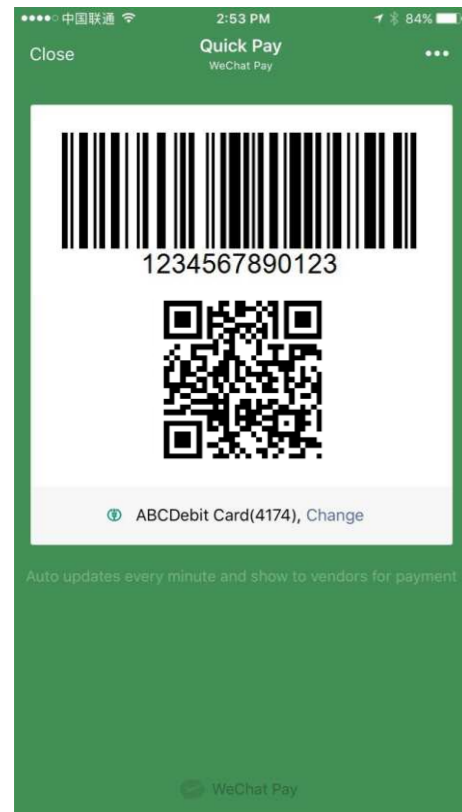
• My son need to pay the taxi fare

•My wife need to pay the plummer'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

Can

Car
When you need ?

Train
check and buy your tickets

Air
ticketing, arrival, departure

Boat
ticketing, schedules

Bus
routes, time, tickets

Travel management

PLANE	TRAIN	HOTEL
CAR	BUS	BOAT

- WELCOME
- XXXXXXXXXXXXXXXXXX
- XXXXXXXXXXXXXXXXXXXXXX

HOME   TRAVEL   MY

Bell   4:20 PM

PLAN

- **Where is BUS Now?**
- **When will the bus arrive?**

- **Has the flight landed?**
- **ET of custom/ Immigration clearance**
- **When is the next fairy**
- **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

Smart-G4
Can

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

- 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

BUS
scheduling. where is the bus?

Classes
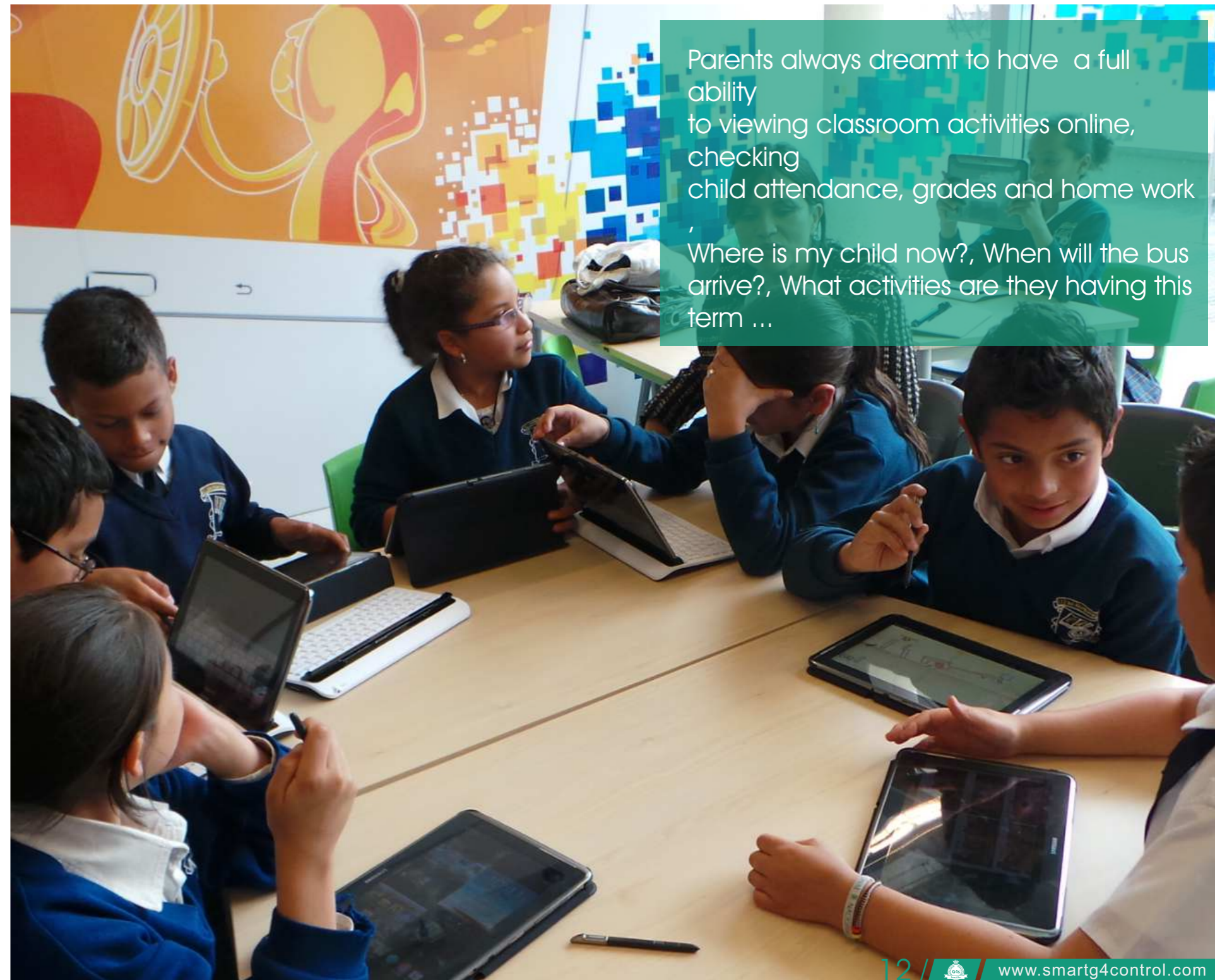time table, homeworks

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

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 ...

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SMART STREET

Concept Of Smart City

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

Street

light up street ahead, where to park

Sidewalk

pay parking, light up walkway

3:34 PM
Wednesday, June 20

86°
+86°
+76°   WED   THU   FRI   SAT

SLIDE DOWN TO UNLOCK

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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ENVIRONMENT

Concept Of Smart City

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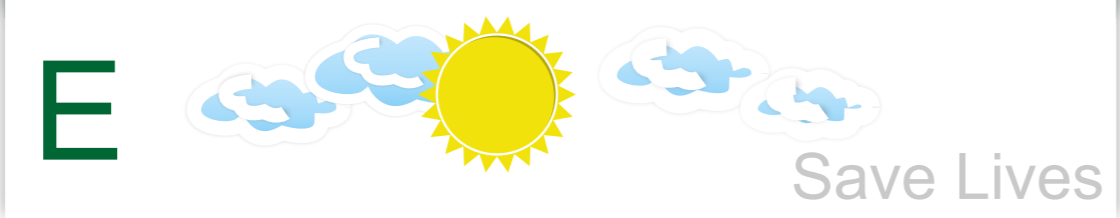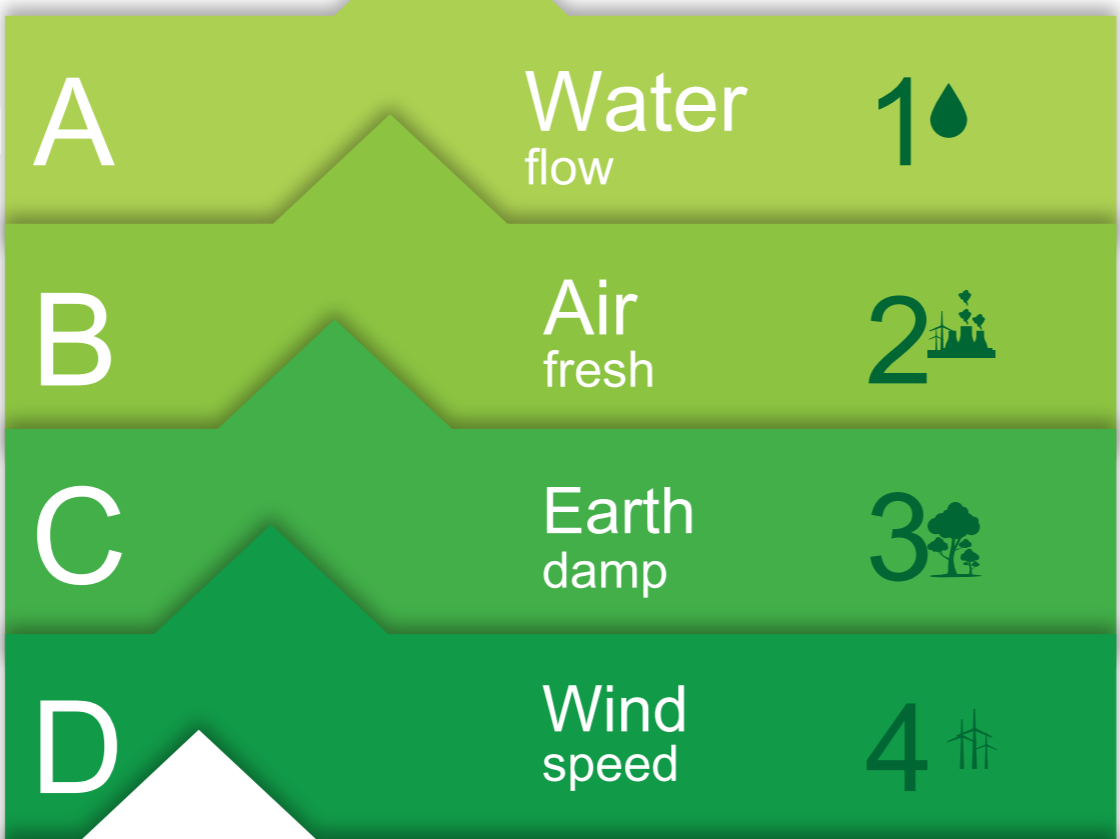
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Environment impacts every thing in the daily city life. Weather, rainfall, snowfall, flooding, typhoons, hurricanes, and other alerts can anticipate disasters before they happen saving businesses and lives.

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

SENSORS, DETECTORS, NETWORK

SMART HOTEL
Concept Of Smart City

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…

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 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 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 PARKING
Concept Of Smart City

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...

Free
free parking locations

Full
no spaces available

Display
easy directions and interactivity

Nearby
apps to find parking and pay tickets

BACK   SEARCH...

PARKING LOT NEARBY

Mysore City Map

FULL
0.9KM 3Mnute

ENPTY 20 LEFT
0.6KM 2Mnute

YOU ARE HERE

$0.4/H

ABOUT US
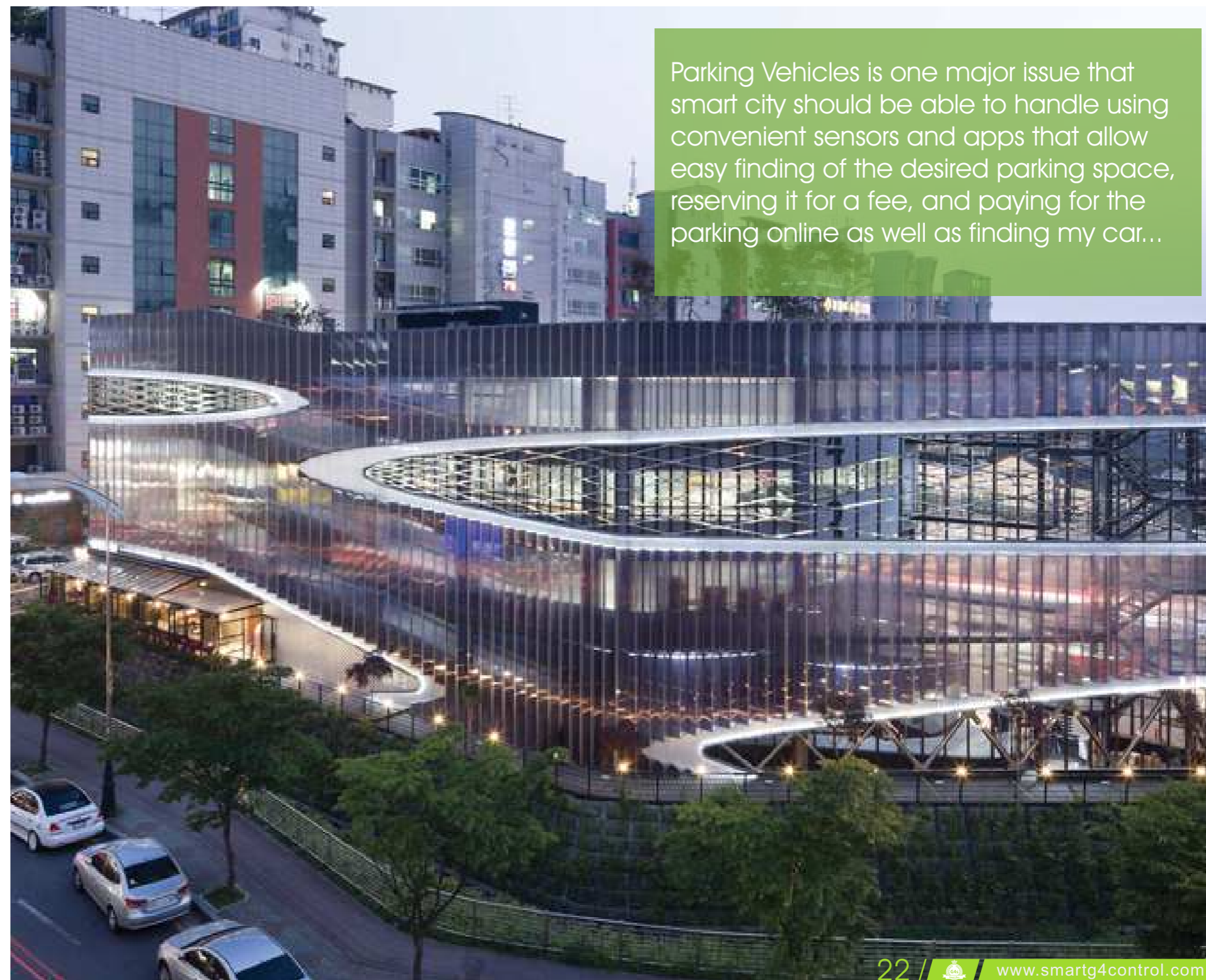
SMART HOMES
Concept Of Smart City

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 …

Metering
saving energy, saving water

Curtain
shading to save or collect energy

Media
entertain well, communicate

Mood
health convenience, comfort

Irrigation
if rain, stop system
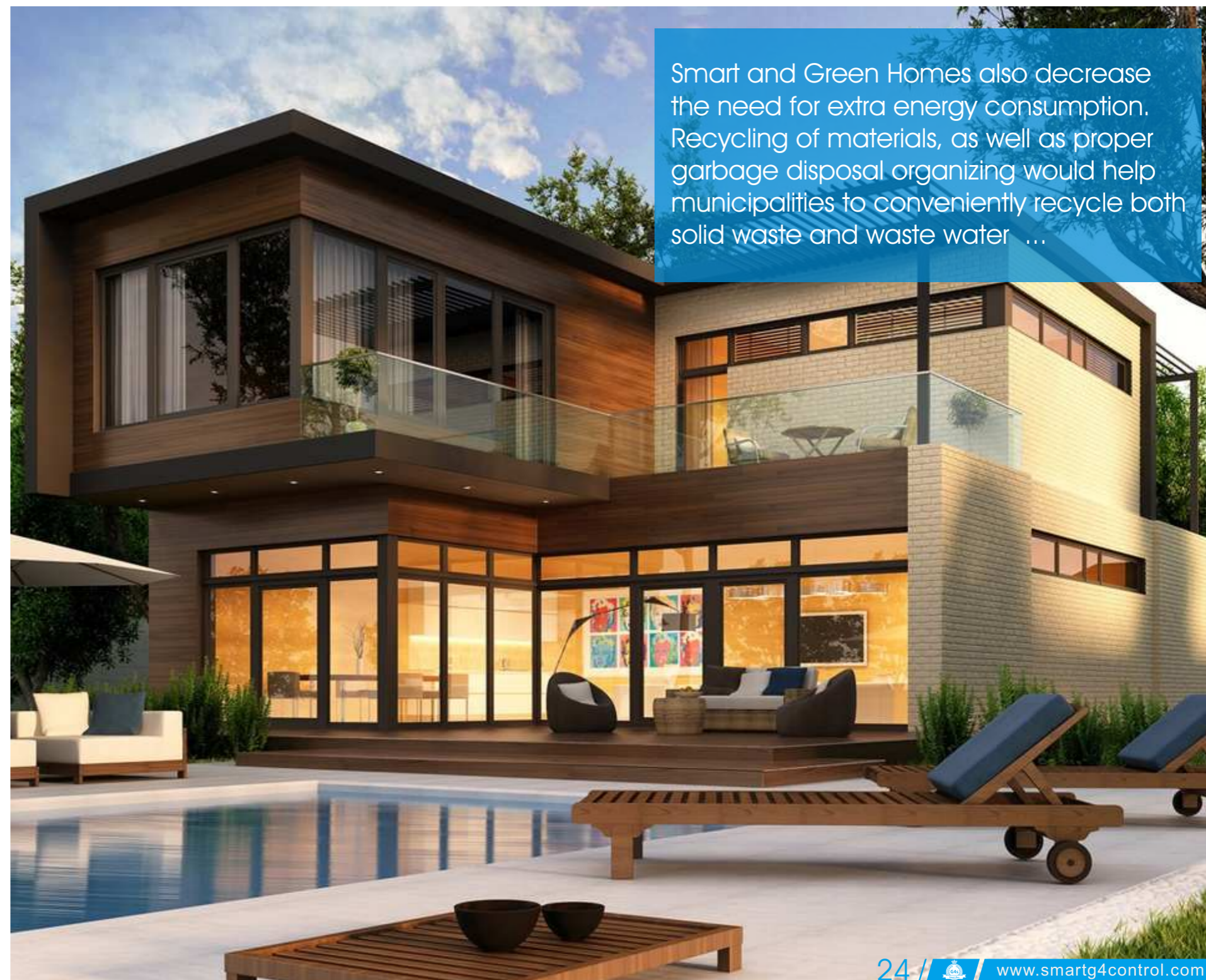
Light
the fourth dimension in life

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 …

Gage Summary
All Device   Any Type   Any Port
Gege Summey
KW
87.3
46.2
$
Recent Day Week Month Year ALL
From May.11 14:30 To June.81 10:00
Generate Reset Gage Reports

SMART Mall
Concept Of Smart City

Find
where is it?,, what does it offer?

Buy
see, touch, try, buy, pay

PAY

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
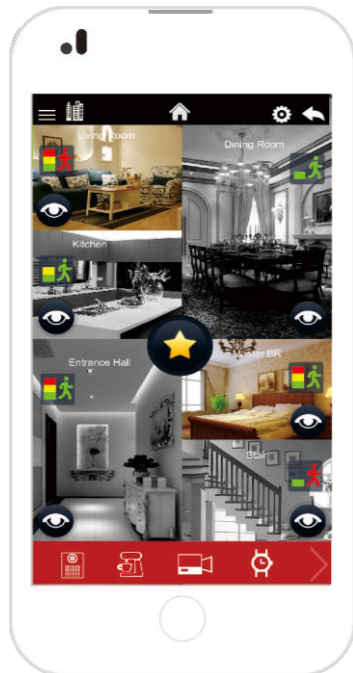communicate, admit, deny

Lighting
comfort, beauty, ambiance

Energy
metering, climate control, saving

Smart 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 managment based on vhicle/user current location. visitor high security easy access, enchanted lighting that dresses the building with new looks at different nights…

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 PARK
Concept Of Smart City

Smart-G4
Can

Reserve
entry tickets, rides, show, languages

Enjoy
pay, collect points, educate

Recommend
comment, share, rate

Museum

Valley

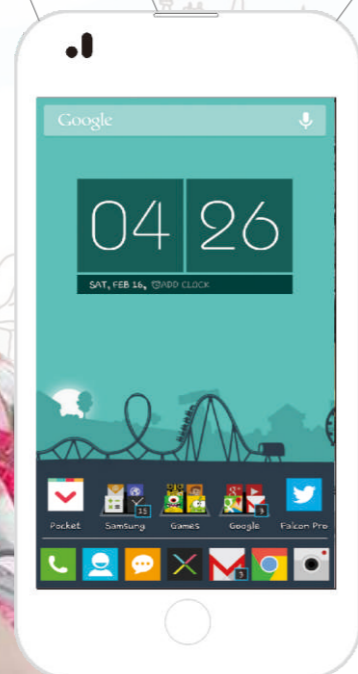River
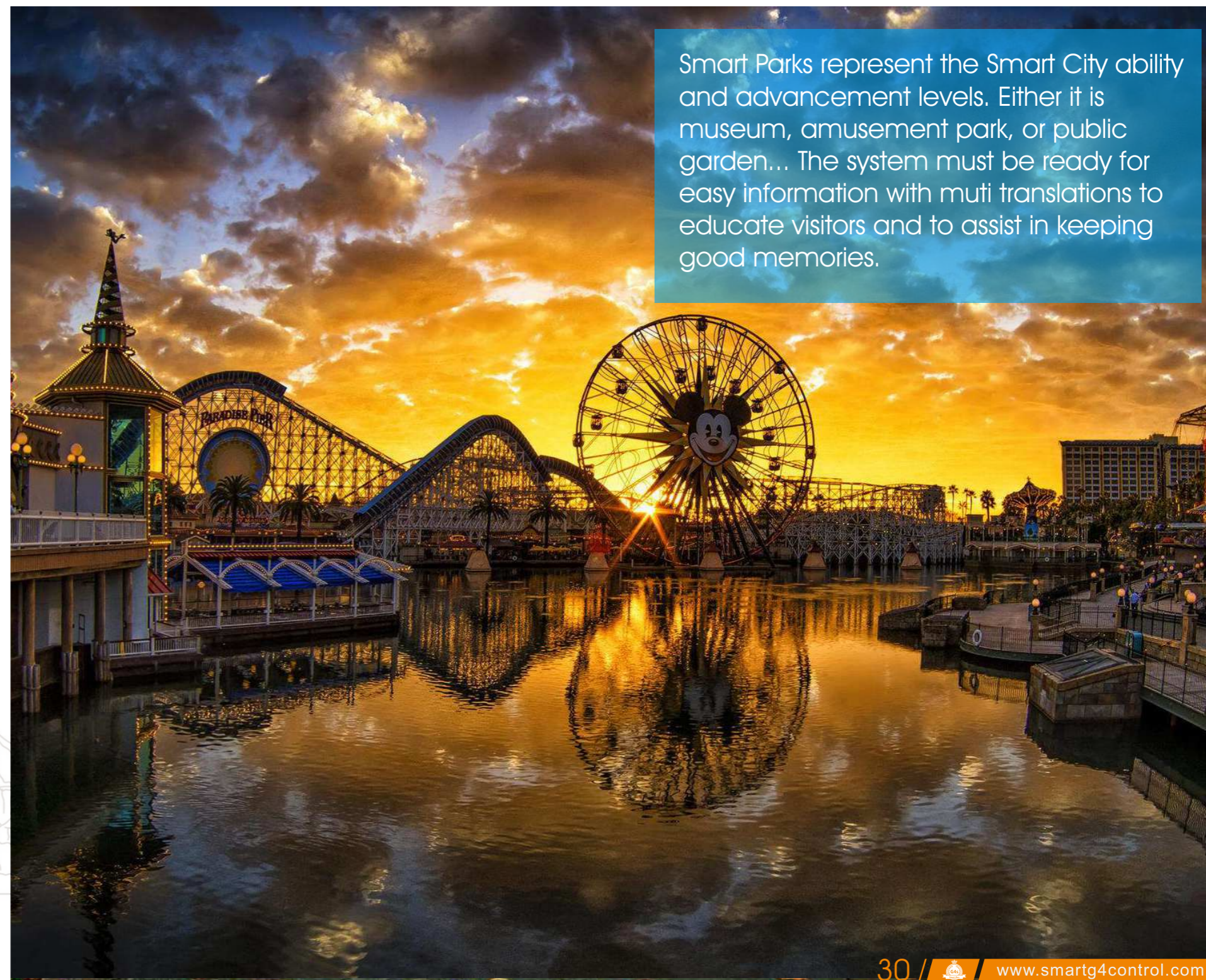
Rides

Amusment

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
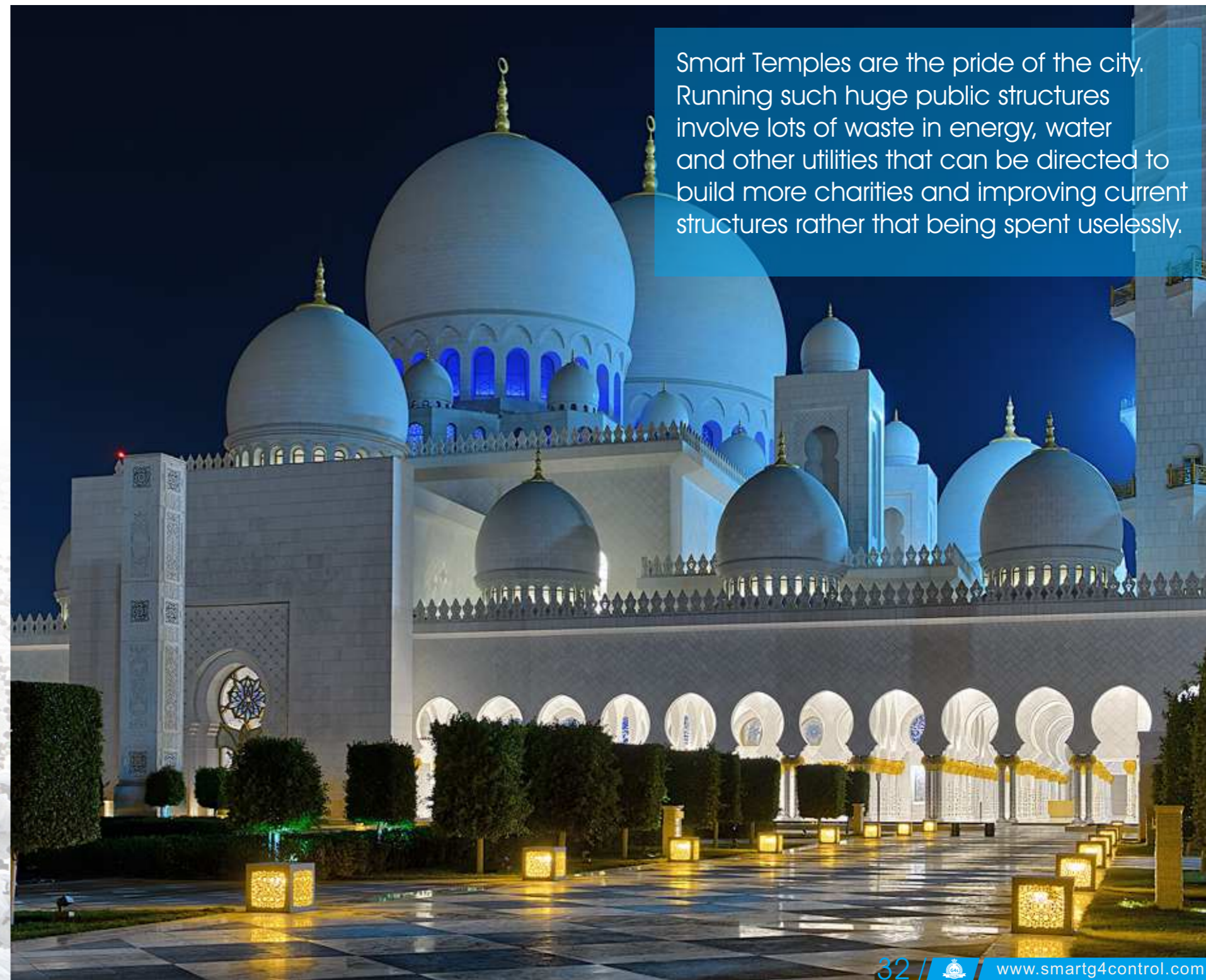
Timings prayers, ceremonials

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 that being spent uselessly.

SMART WASTE MANAGEMENT

Concept Of Smart City

Smart-G4 Can

Solid waste
metals, wood, glass, plastic

Recycling
organic, non organic

Gases
industries, garbage

Waste water
collecting, treatment

Garbage
collection, segregation
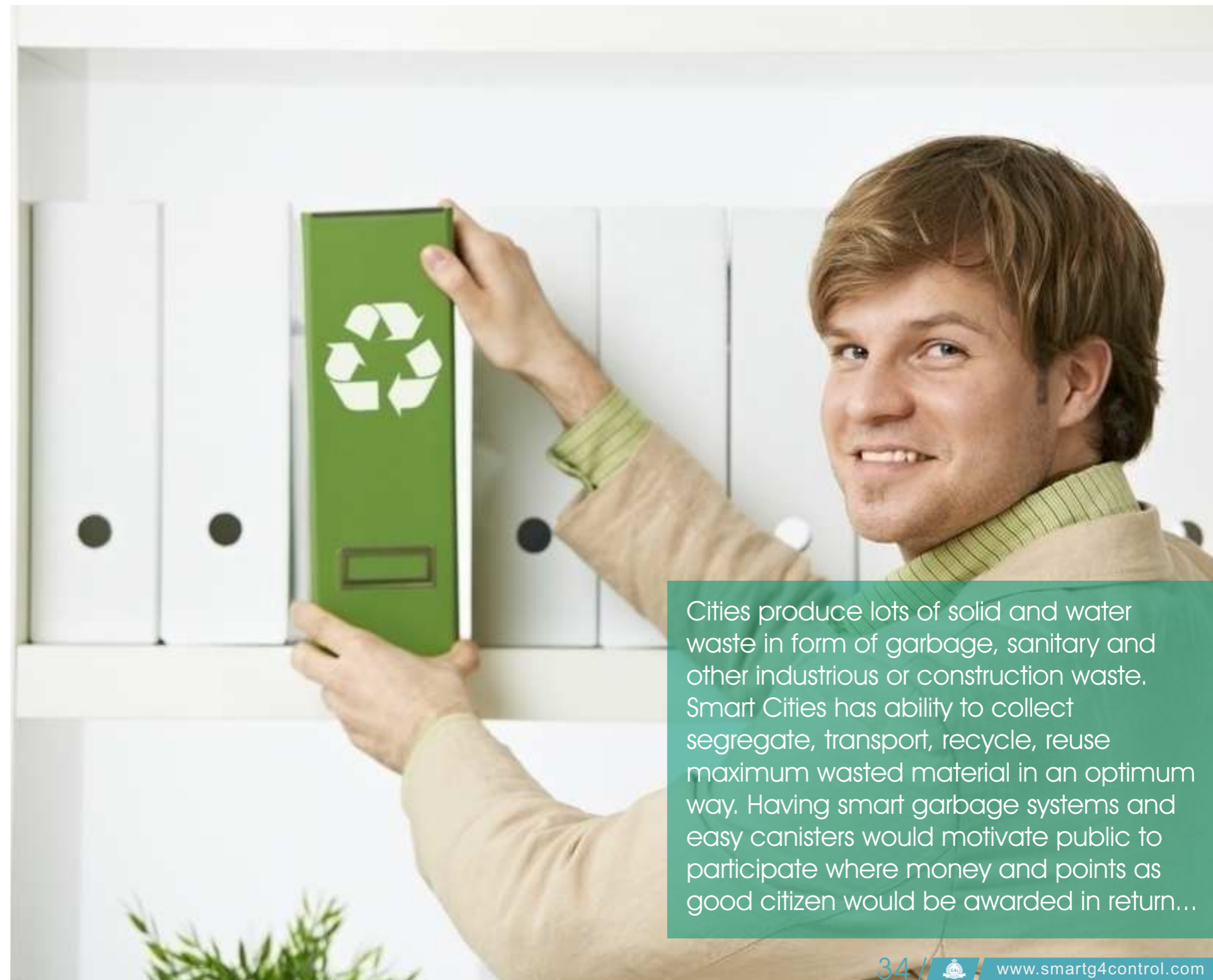
Cities produce lots of solid and water waste in form of garbage, sanitary and other industrious or construction waste. Smart Cities has ability to collect segregate, transport, recycle, reuse maximum wasted material in an optimum way. Having smart garbage systems and easy canisters would motivate public 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

Energy Generation

Storage Options

Power Quality

Self-Healing

Micro-generation

Smart Grid

Smart Meters

Larger Network

Isolated Microgrids

Energy Efficiency

Power Storage

Electricity Market

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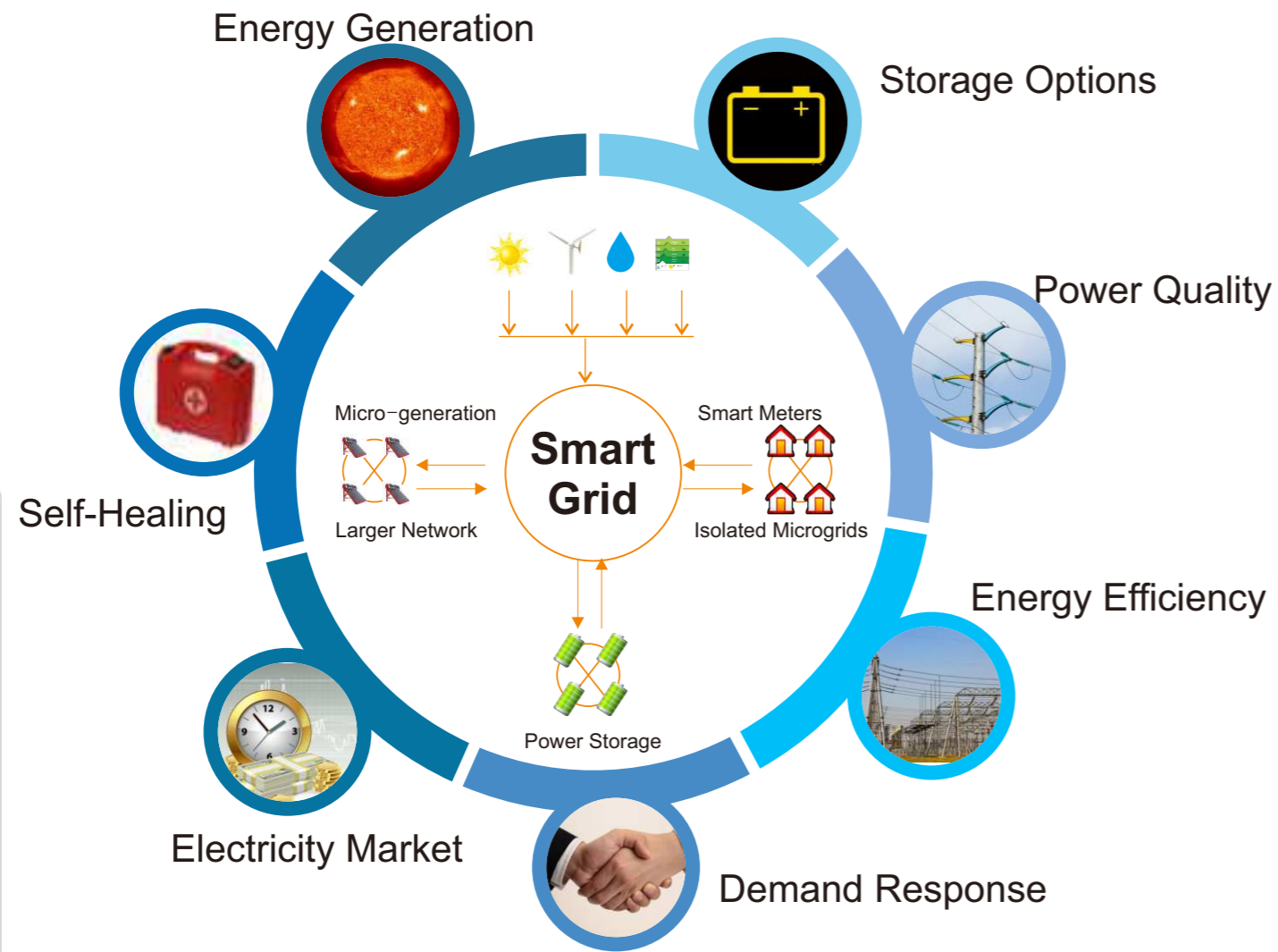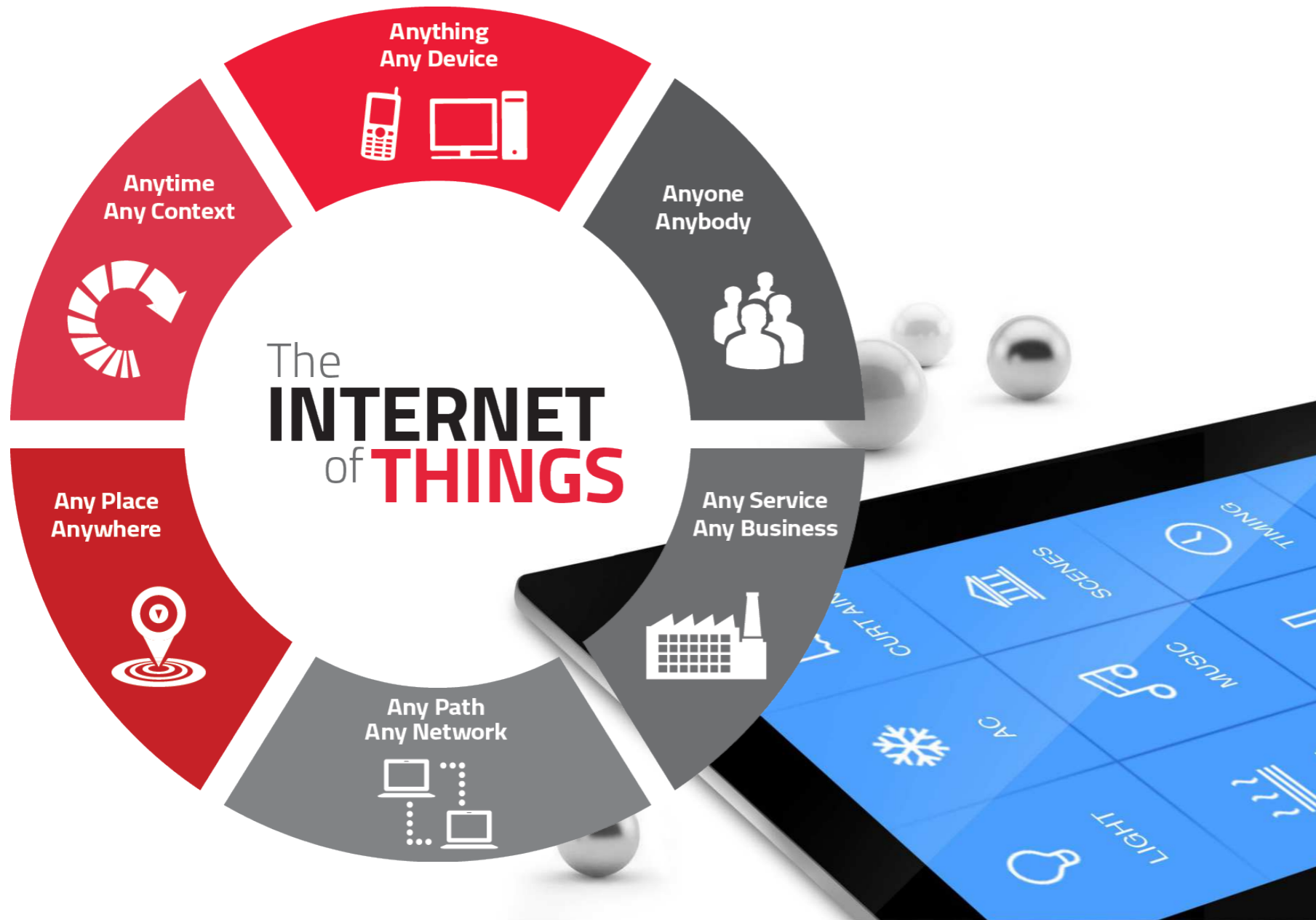
Participating in energy generation and encouraging public to care about energy value by producing, selling and sharing that energy to others, this would create a more smart energy efficient city where everyone becomes an investor that participate in generating energy and decreasing the waste and energy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

INTERNET OF THINGS
Concept Of Smart City

Smart-G4 Can

The Internet of Things

- Anything Any Device
- Anyone Anybody
- Any Service Any Business
- Any Path Any Network
- Any Place Anywhere
- Anytime Any Context

The INTERNET of THINGS

The final challenge and the ultimate frontier in today's technology mission is combining many smart ingredients together into one harmonic solution to operate as one body under one cloud over internet connectivity. be part of the story of the City.

HOW G4 DO THINGS

G4 Engine Of Smart City

Smart-G4 Can

Flood · Flood · Soil · Time · Water · Air Quality · Waste · Levels · Radiation · Wind · Health · Smug · Money · Recycling · Energy · Traffic

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

Air quality, Water Quality, Soil Quality, Temperature, Humidity ,Water level, Noise Level, Rainfall detection, Traffic, Signaling Lux ,Motion , Proximity, UV Level, Co2, PPM U.Sonic, Radiation, Vibration, Wind Speed, Water Flow, ultrasonic, microwave, Metering pressure level, OCR, RFID, etc...