

LG Uplus



LG Group & LGU+





LG way

Customer Value Creation, People Oriented Management and Standard Ethical management to be No.1 LG as a premier company.



Founded 1947

Domestic 137,000

Overseas 85,000

Employee (2016) **222,000+**



Revenues (2017)
USD 141 billion

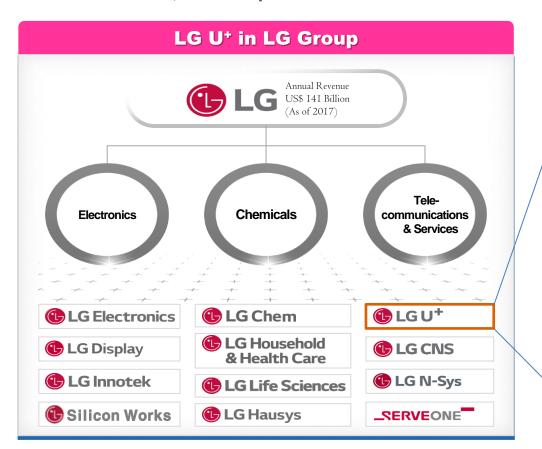


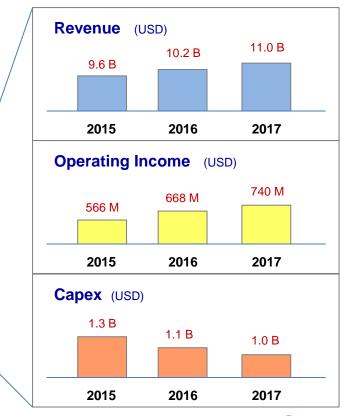
Global Subsidiaries 280+



LG Group

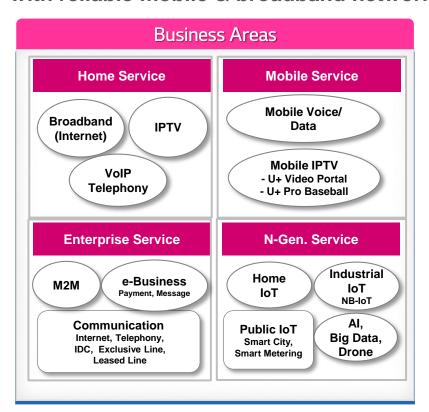
■ Founded in 1947, LG Group now has 3 main business domains

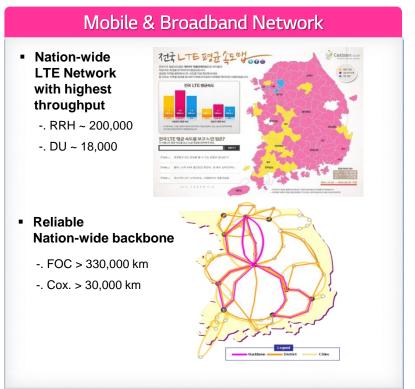






 Engaged in Mobile, Home, Enterprise Service and Next Generation Core Business Area with reliable mobile & broadband network infrastructure





Smart City Solution





1. Urbanization is a global trend

In 21st century, urbanization is underway around world according to the each needs



2. Urbanization and elements of Urban Competitiveness



Urban Competitiveness Factors are urban reputation, economic self-sufficient, social communication, unique culture contents, environment friendly and operational efficiency in sustainable urban development and regeneration

Urban identity

- City brand value
- Economic, social, cultural, environmental factors, etc.

Economy

- Presence of specialized business
- Solving the matter of life

Society

- Activation of local community
- Level of communication channel of the city

Culture

- Preserving and utilizing existing cultural contents
- Ability to create new cultural contents

Environment

- Pursuing urban environment for human convenience
- Clarification of development and preservation

City administration

- Introduction of high technology
- Intelligent & converged operational infrastructure



Rising of urban reputation



Achievement of economic selfsufficient



Activation of social communication



Unique culture contents



Eco-friendly environment



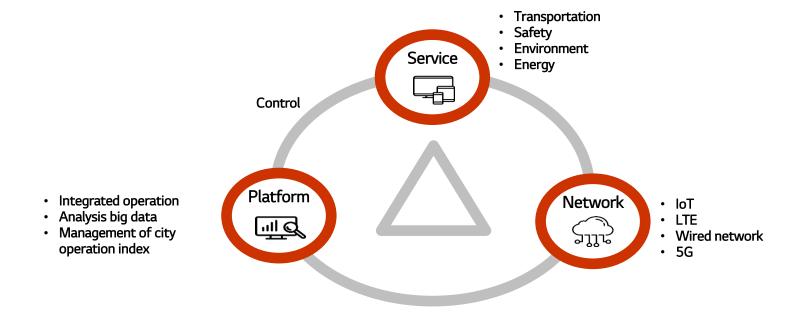
City's operational efficiency

The role of Smart City is a good way to strengthen the city's competitiveness.



3. Smart City Components

Smart City is interconnected through "Service", "platform" and "Communication network" and is evolving into a system that provides new added value by utilizing the data accumulated through interconnection.



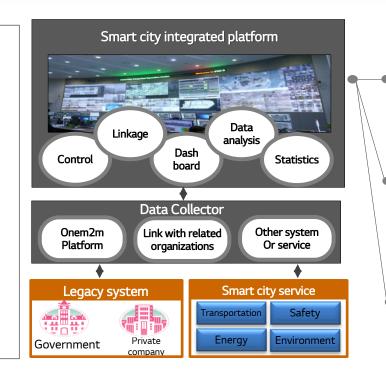
3. Smart City components - Platform

The platform is a Smart City's control tower that monitors and controls individual services, analyzes data collected through service operations, provides dashboards, and links information with external related organizations.



key functions

- 1 Window to control smart city service
 - Manage and operate each service
- Window to link information with external system
 - Information linkage with Cnetral government, municipality, relevant organizations, and private companies
- 3 Individual IoT Device Management
 - IoT information collection/accumulation/modification
- 4 Intelligent analysis function
 - City operation index



Efficiency operation



- Facility operation , management and monitoring
- Efficient operation through system integration

Promote new business



• Inducement of new business using city operation information and basic data

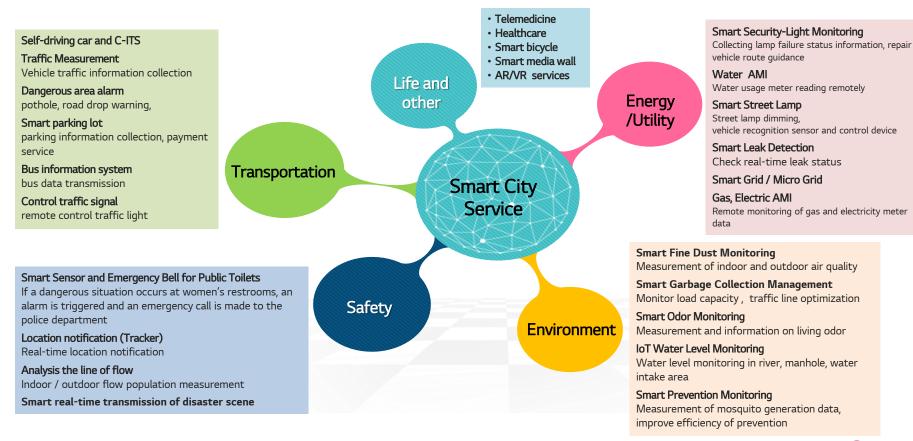
Civil service



• Improving citizen service through information disclosure and linkage



3. Smart City components - Services

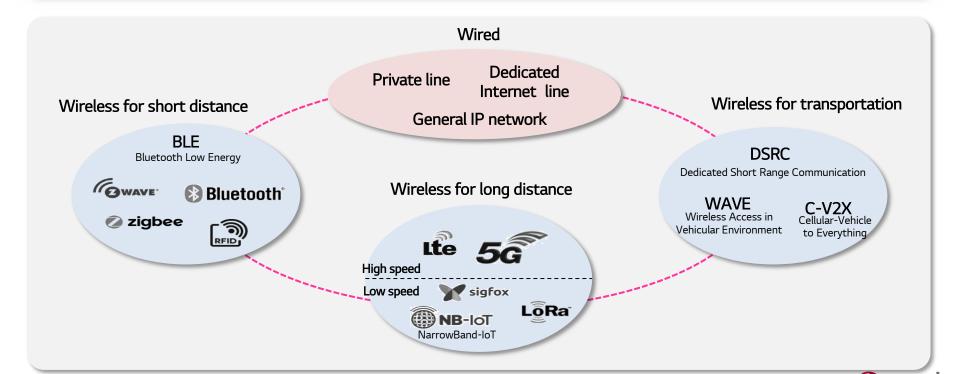




3. Smart City components - Network

Communication network for smart city configuration includes wired network and wireless network with various uses and coverage.

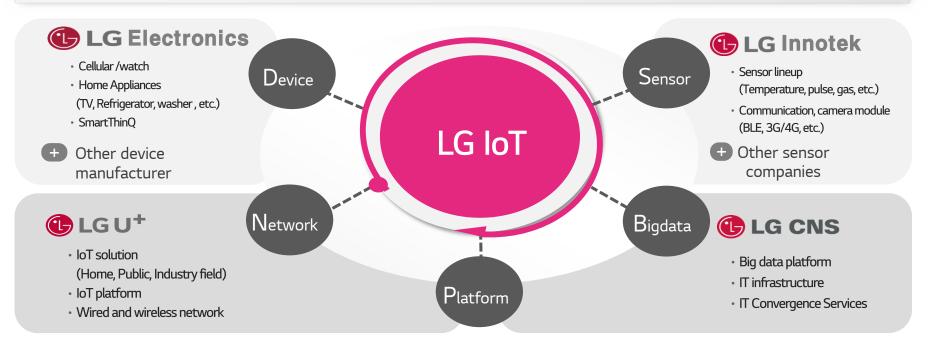
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4. Smart city solutions of LG

LG U⁺ can provide total solution covering everything in sensor, device, network, big data and platform area in collaboration with LG Group companies and partners.







5. LG U⁺ Smart city services



Smart City solution s of LG U⁺ have proven product and construction experience in the field of transportation, environment & safety and energy & utility.



Transportation

Bus information system bus data transmission

Smart unmanned vehicle parking control

Real-time illegal parking monitoring by sensors

Smart Road Monitoring

Collect and provide various dangerous information during driving to prevent traffic accidents

Priority Signal for Emergency Vehicles Fleet Management System

Real-time check vehicla location and status

Control traffic signal remote control traffic light

Smart parking lot

Collection and provision of parking information,
Provide billing information

Smart Traffic Measurement

Vehicle traffic collection, control signal

Notice of Electric Car Charging Station

Environment · Safety

Smart Clean : food waste disposal service

Smart Clean House : Management of recycling garbage collection

Emergency safe bell of public restroom

Emergency alarm and call

Smart Prevention of Mosquitoes

Measurement of mosquito generation data, improve efficiency of prevention

IoT Water Level Monitoring

Water level monitoring in river, manhole, water intake area

Smart Dust Monitoring

Measurement of indoor and outdoor air quality

Smart Garbage Collection Management

Monitor load capacity , traffic line optimization

Smart Village Broadcasting System

Disaster alert and public broadcasting by smartphone anywhere

Smart real-time transmission of disaster scene

Video real-time transmission, sharing

Smart Odor Monitoring

Measurement and information on living odor

Smart Water Quality Monitoring

Measurement and analysis of various water quality such as groundwater, reservoir, sea water, etc.

Intelligent Fire Hydrant

Check the state of fire hydrant in real-time

Energy · Utility

Smart Street Lamp

Street lamp dimming, vehicle recognition sensor and control device

Smart Security-Light Monitoring

Real-time monitoring security terminal

Smart Leak Detection

Check real-time leak status

Remote water meter-reading system

Remote detecting water usage

