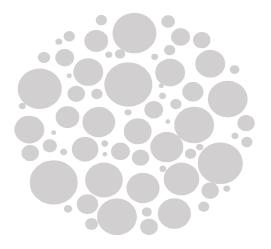
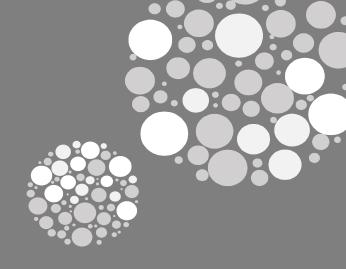


LG CNS

Smart Transportation and e-Government Projects

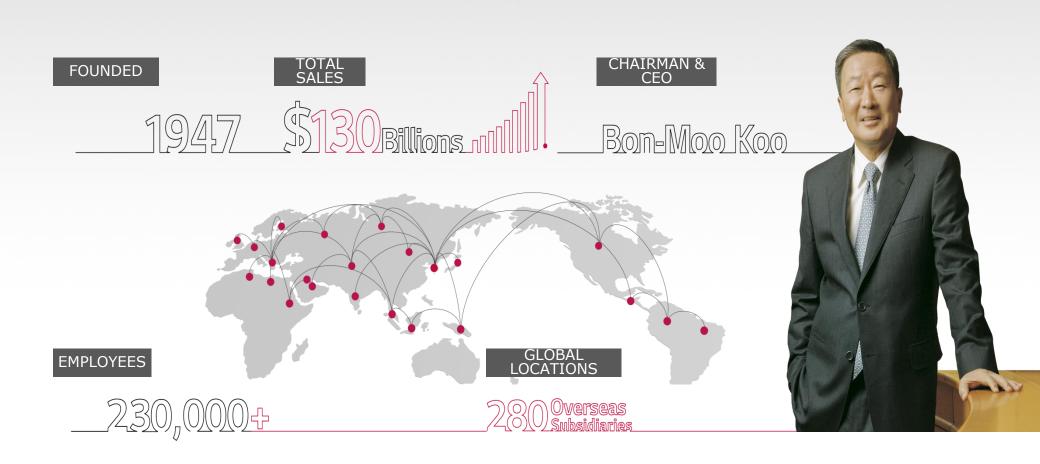




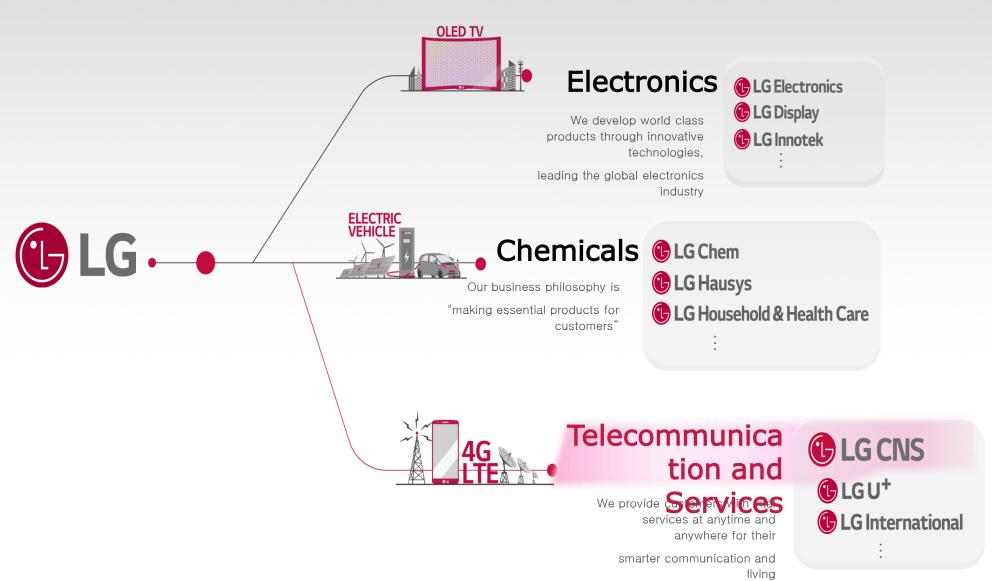


WHO WE ARE About LG CNS

LG CORP. OVERVIEW

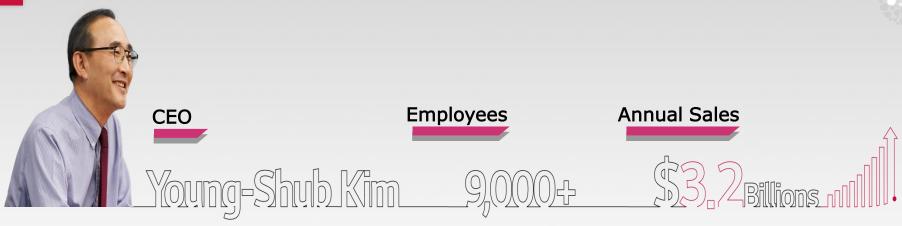


G GROUP BUSINESS SEGMENTS



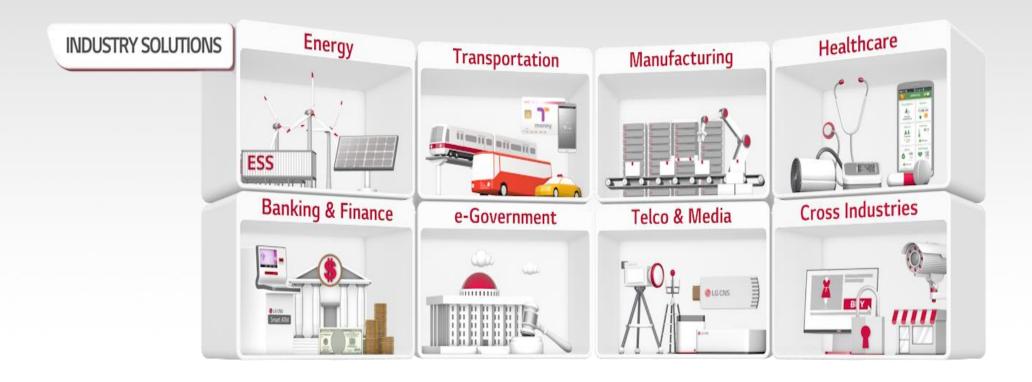


LG CNS OVERVIEW



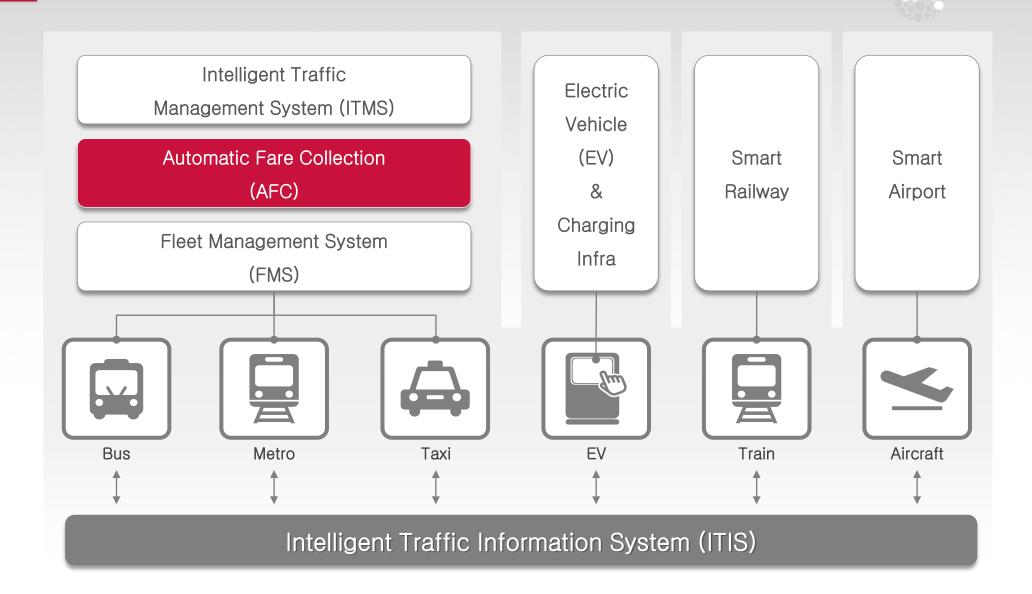


LG CNS BUSINESS PORTFOLIO

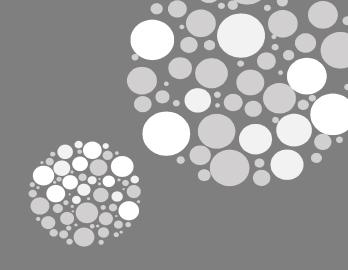




SMART TRANSPORTATION SERVICE







Athens Project Athens AFC Service

PROJECT SUMMARY

Project Structure Sponsor Terna Energy LG CNS (70%)(30%)**EU Fund** (Grant) OASA S.A Concession Hellas Smart Ticket Grantor (HST) K-EXIM EPC, O&M (Lender) LG CNS Terna Energy

Project Description

■ The LG CNS-Terna consortium will build, operate, and maintain an integrated automatic fare collection system for the city of Athens, Greece.

Category	Remarks	
Purchasing Authority	OASA S.A. (Athens Urban Public Transport Organization)	
Sponsor	Terna (70%), LG CNS (30%)	
Project Period	12.5 Years (including 31-month implementation)	
EPC	LG CNS, Terna Energy	
O&M	LG CNS, Terna Energy	



PROJECT SUMMARY

Project Area

■ The new AFC system will cover the urban Athens area, Suburban Railway to the Airport, and Suburban Railway connecting Pireas and Agios Stefanos



Transport Description



1,750

Thermal Bus

250

Trolley Bus

21

Suburban Bus Lines



31

Metro Stations

48

Tram Stations

1

Airport Rail (Aioport-Kiatos)

1

North-South Rail

(Piraeus-Aghios Stefanos)



1Bil/Yr

Ridership Estimated



EXPECTED BENEFITS

Cost Savings Estimation for 10 Years of Operation



€13M savings on operating cost for changing to electric ticketing system



€ 100M savings from decrease of evasion



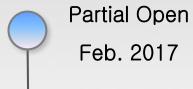
€ 1.2M savings from facilities maintenance



€ 0.6M savings from transport data analytics

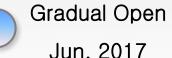


PROJECT OPENING

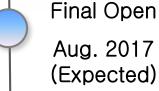


Bus route between Airport and Syntagma

• 3 Metro Stations (Kallithea, Maroussi, Kifissia)



 Gradual system deployment until end of July (Bus, Tram, Metro 1/2/3 Lines)



Suburban Line (TrainOSE Lines)

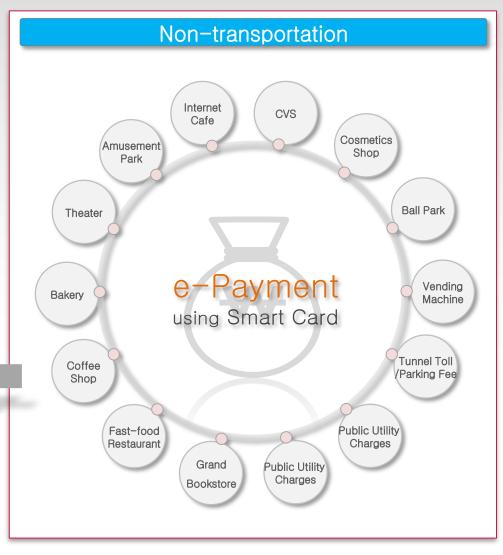


LG CNS AFC Experience



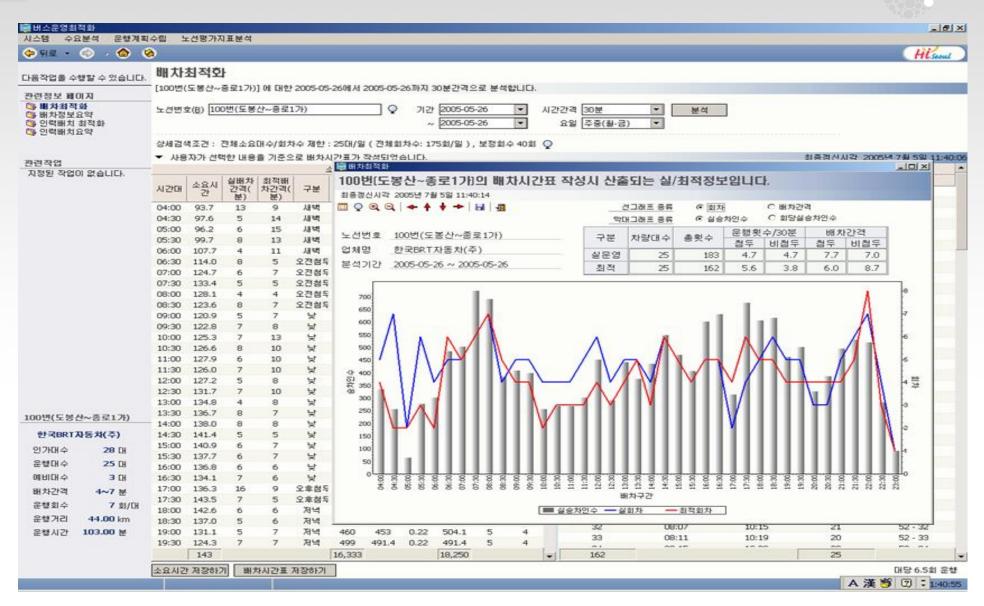
MULTI-MODAL & MULTI-FUNCTIONAL FARE COLLECTION SERVICE







OPTIMAL BUS DISPATCH

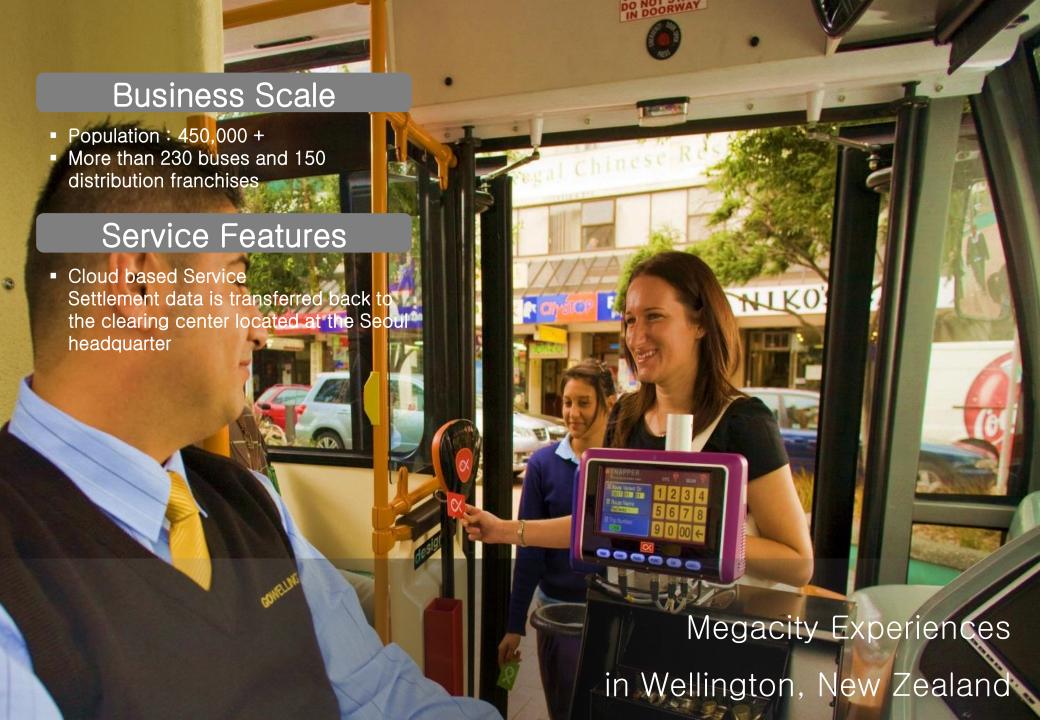




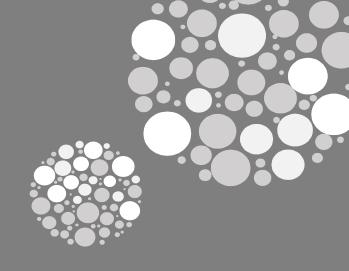












LG CNS e-Government Solutions

E-GOVERNMENT LG CNS

Business Domains

Legislative & Executive

Immigration

e-Passport

Digital Library / National Archive

Finance /Tax

Customs /
Procurement

Government Data Center Judicial

Intellectual Property

Land Corporate Registration

e-Court Case Management

> Online Civil Petition

Public

Meteorological Information

Postal Information

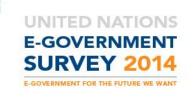
National Security & Social Safety

Smart School

Healthcare

Online Lottery

Core Competency



100.1 111 1116			
UN e-Government Survey			
2010	2012	2014	
1. KOREA	1. KOREA	1. KOREA	
2.USA	2.Netherlands	2. Australia	
3. Canada	3. United	3. Singapore	
	Kingdom		

No 1 in the

 Implemented <u>60%</u> of Korea's e-Government systems



E-GOVERNMENT LG CNS

Legislative & Executive

- Korea Immigration Service
- Ministry of Foreign Affairs, Korea
- Korea Customs Service
- Public Procurement Service, Korea
- National Digital Archive, Korea
- Government Internet Data Center(GIDC), Korea









Judicial

- Business Licensing Integrated System, Bahrain
- Intellectual Property Service, Mongolia
- Land Titling Computerization Project, Philippines





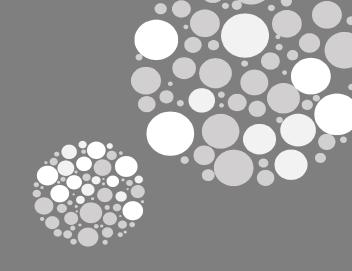
Public

- National Crime Information Center, Indonesia
- Postal Services, Malaysia
- Cyber Security Center, Morocco
- Online Lottery System, Korea









Thank you