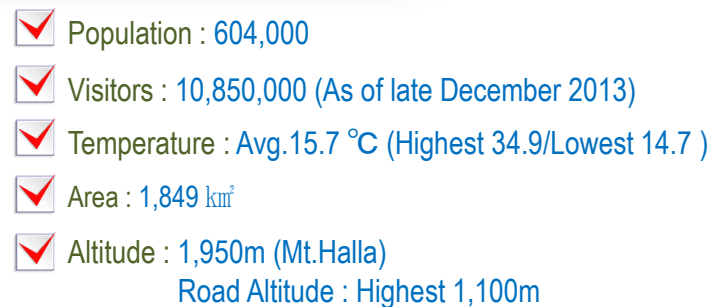


A map of East Asia with Jeju Island highlighted in blue. Lines connect Jeju to several cities, with distances labeled in kilometers:

- Beijing: 840 km
- Shanghai: 490 km
- Kyushu: 1,700 km
- Hong Kong: 1,030 km
- Taipei: 1,030 km
- Seoul: 490 km
- Vladivostok: 1,600 km
- Tokyo: 1,580 km
- Nagoya
- Wakayama



The Optimum Place to locate EV Platform

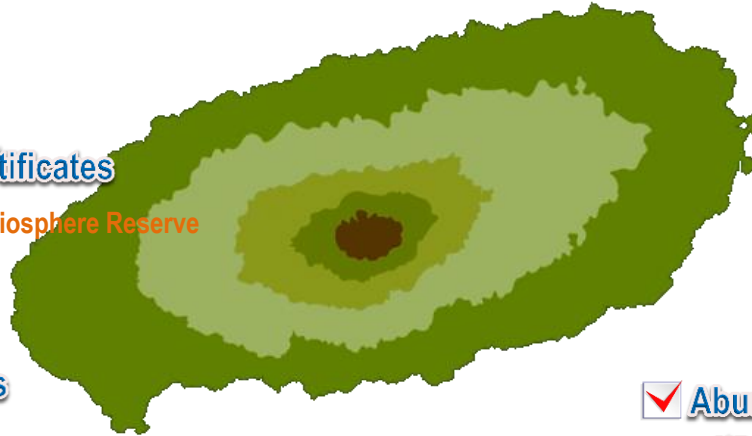
- ✓ Korea's Only
Self-Governing Province
Free International City

- ✓ New 7 Wonders of Nature
World's Only 3 UNESCO Certificates

- World Natural Heritage / World Geopark / Biosphere Reserve

- ✓ 12 Million of Annual Visitors

- Clean Tourism Destination
Green Growth Education Site



- ✓ Gujwa Smart Grid
Test-Bed Infrastructure

- ✓ The 1st Int'l Electric Vehicle Expo
- Period: Mar 15-21, 2014

- ✓ Abundant Green Energy Resources
- Wind Power and Solar Power

Carbon Free Island Jeju by 2030

Vision : Global Green Growth City with Clean Environment and Cutting-Edge Technology

❖ Sustainable Carbon Free Island

Vision

3

Carbon Free Island (2030)

✓ Global Green Growth City Consuming No Fossil Fuels

2

Carbon Free Island Infrastructure (2020)

✓ New Renewable Energy(50%), Smart Grid, EV Services

1

Carbon Free Island Test Bed (2012)

✓ Gapado Carbon Free Island, WCC Tour Program

Smart Grid

Constructing Smart Grid City in Entire Jeju Region

- ✓ Construct and Operate Smart Grid Test-bed by 2013
- ✓ Expansion of Smart Grid by 2017
- ✓ Construct Smart Grid City in Entire Jeju Region by 2020



Carbon Free Island Jeju by 2030

EV

Distribution of Electric Vehicles upto 100%

- ✓ Public Sector by 2017 ⇒ 10% switch (Accumulated to 29,000)
- ✓ Public Transportation by 2020 ⇒ 30% switch (Accumulated to 94,000)
- ✓ Private Vehicles by 2030 ⇒ 100% switch (Accumulated to 371,000)



Switch of Electric Power to Renewable Energy

- [illegible]



World First Carbon Free Island Test-Bed

✓ Location : Southwestern of Jeju (5km from Mosulpo Harbor)

✓ Area : 0.87km² (4th largest among Jeju annexed islands)

✓ Population : 281 (135 households)

✓ Project Overview :

■ Period : Nov 2011~Oct 2013(2 years)

■ Electric Power : 100% Replacement to New Renewable Energy
(Wind Power+Sunlight+Storage)

■ Vehicle : Replaced to EV,
Phased Replacement for Agricultural Machines and Fishing Vessels

■ Resident Life : Applied Smart Grid, Constructed Smart Home with Smart Meters
in Entire Household

■ Creating Green Island : Line, Forestation Project, Landscape Improvement, etc.



- ✓ Area : Gujwa-eup, Jeju (Northeastern Region of Jeju)
- ✓ Scale : 5 sections / 2 substations / 4 distribution lines / 3,000 houses
- ✓ Period : Dec 2009 ~ May 2013 (42 months)
 - Basic Stage: Dec 2009 ~ May 2011 : Constructing Infrastructure
 - Extended Stage : Jun 2011 ~ May 2013 : Operating Test-Bed
- ✓ Participation : 12 Consortiums 168 Corporations
- ✓ Budget : KRW 246.5 billion

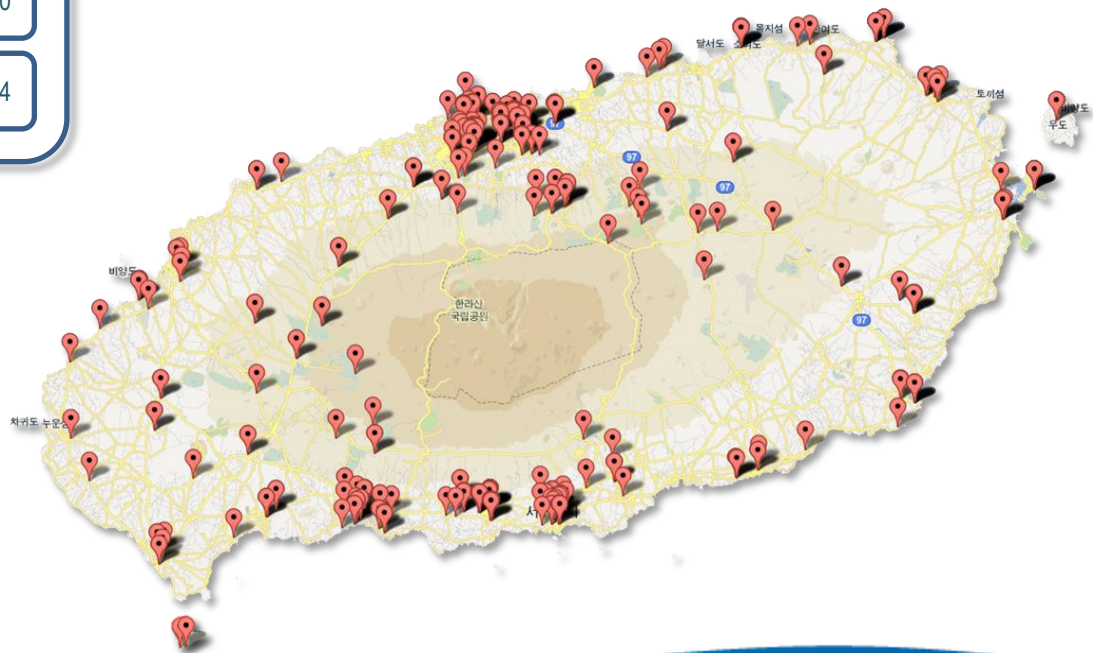
Government 73.9 B(30%) KEPCO 23.9 B(10%) Private 148.7 B(60%)



EV & Charging Infrastructure Status in Jeju

	Dec 2013	Apr 2014	Dec 2014
EV	360	360	860
Charger	497	524	1,024

Charger Distribution Status in Jeju (As of April 2014)



Jeju Electric Vehicle Service

The First Private EV Charging Infra Consortium in Korea



Jeju Electric Vehicle Service Consortium

[EV Infra Operation]



[EV Membership Service]



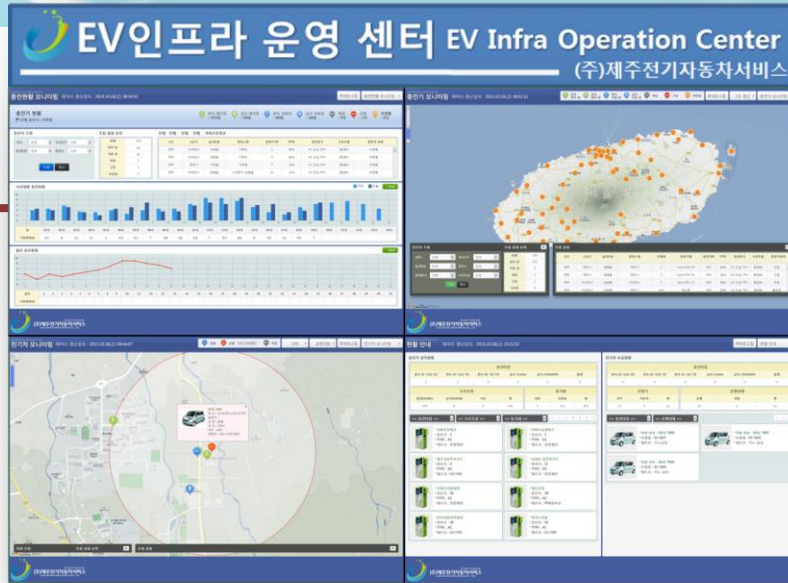
[Charger Manufacture & Maintenance]



[EV Call Center]



EV & Charging Infra Management and Mobile Service in EV Infra Operation Center



The 1st International Electric Vehicle Expo

- ✓ Theme: EV powered by wind
- ✓ Period : Mar 15(Sat) ~ 21(Fri), 2014 [7 days]
- ✓ Venue : Jeju International Convention Center (ICC Jeju)
- ✓ Scale :
 - Exhibition : 8,591 km² / 220 booths
 - Participant : About 40 EV Manufacturers and Related Industries
 - Visitors : 47,000 man-days



Hosted by



Participated by



Organized by



Broadcasted by



Supported by



The 1st International Electric Vehicle Expo

IEVE Brand as Global “EV MICE”

[Exhibition]

SAMSUNG

르노삼성자동차

SM3 ZE



i3

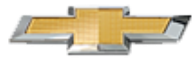
NISSAN

Leaf



KIA MOTORS

SOUL EV



CHEVROLET

Spark EV



Blue Star

POWER PLAZA

PEACE

[Conference]

■ EV Industry and Technology Development

■ EV and ICT Convergence

■ Promoting ESS-RE-EV Industry

■ Wireless Charging EV R&D and Demo Project

■ Electric Bus with Energy Demand Management Type Battery

■ Diffusing EV Charging Infra and Standard Application



- ☑ Title : The 2nd International Electric Vehicle Expo
- ☑ Period : Mar 06(Fri) ~ 15(Sun), 2015 [10 days]
- ☑ Venue : Jeju International Convention Center (ICC Jeju)

Hosted by



Organized by



Carbon Free Island Jeju by 2030

Global EV Platform in Jeju

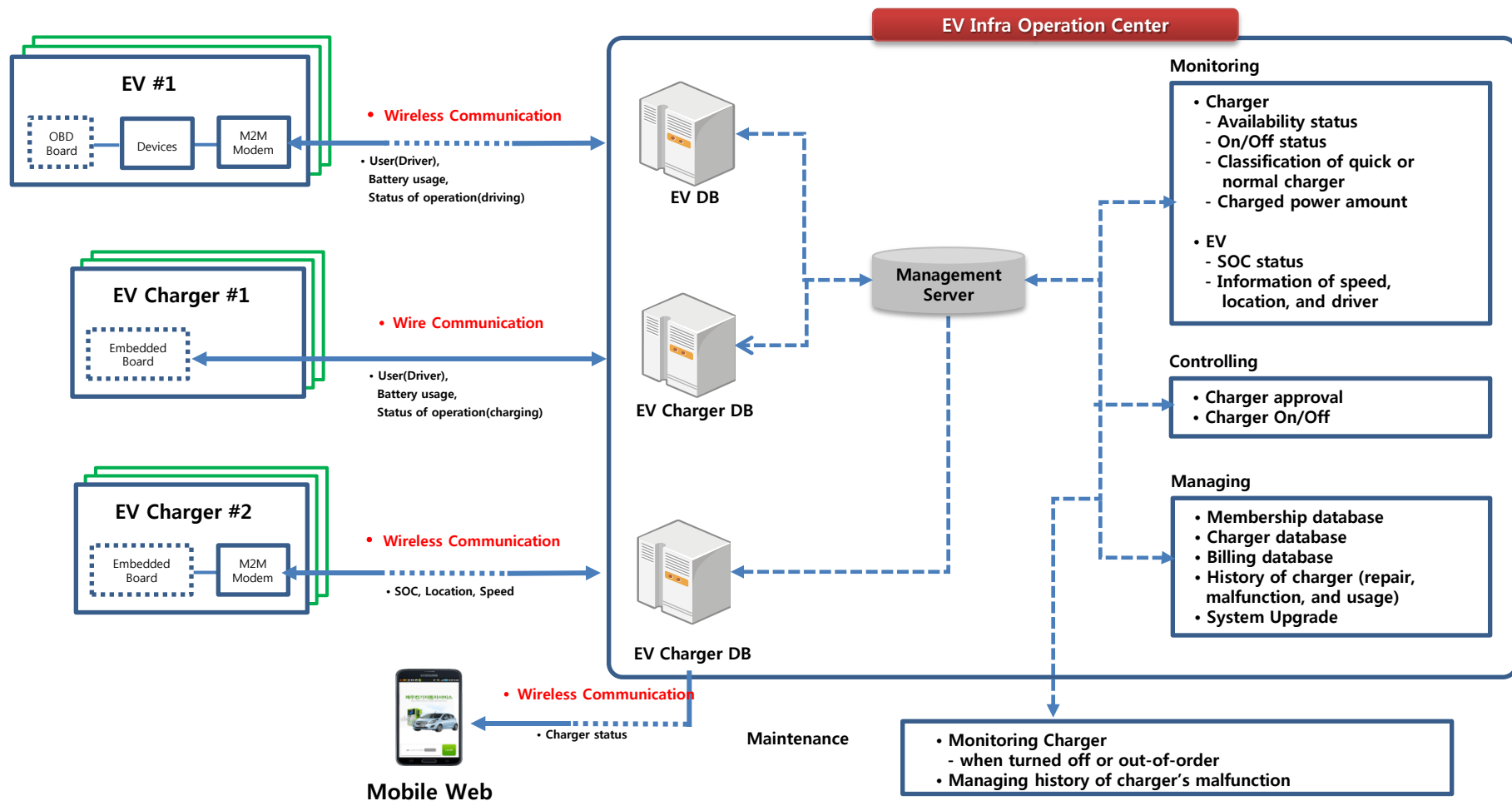
THANK YOU

Where is the Place : Jeju Island



대한민국의 현실 : 꼭 들어찬 고립 된 섬





Future 2000 by Cartoonist Lee, Jung Woo in 1965



Future 2000 by Cartoonist Lee, Jung Woo in 1965

