

# Global EV Platform JEJU

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**GEAN**  
GLOBAL EV ASSOCIATION NETWORK



# Carbon Free Island Jeju by 2030



- Location: to the south of the Korean Peninsula
- Area: 1,849 km<sup>2</sup>
- Population: 660,000 (As of Dec., 2017)
- Visitors: 15,000,000 (As of late Dec., 2017)
  - Domestic :12,000,000 / Overseas: 3,000,000
- Temperature: Avg. 15.7 °C (Highest 34.9 / Lowest 4.7)
- Altitude: 1,950 m (Mt. Halla) / 1,100 m (1,100 Road)
- Coastal Road: 190km



## JEJU Island, South Korea



Korea

JEJU Island

## Renewable Energy

### 100% Renewable Energy, Achieve Energy Independence

- ✓ Generate 1,000MW from wind by 2020 (50% renewable energy)
- ✓ Generate 2,350MW from wind by 2030 (100% renewable energy)  
※ 450MW onshore wind farm, 1,900MW offshore wind farm, 300MW solar farm, etc.

## Electric Vehicles

### Convert 100% of the Local Vehicle Population to EVs Build a Top EV City

- ✓ Public transport ⇒ 4% of cars to EVs (11,520 cars) by 2017
- ✓ Public transport and rental cars ⇒ 40% of cars to EVs (135,000 cars) by 2022
- ✓ Commercial vehicles ⇒ 100% of cars to EVs (377,000 cars) by 2030

## Smart Grid

### Construct a Smart Green City

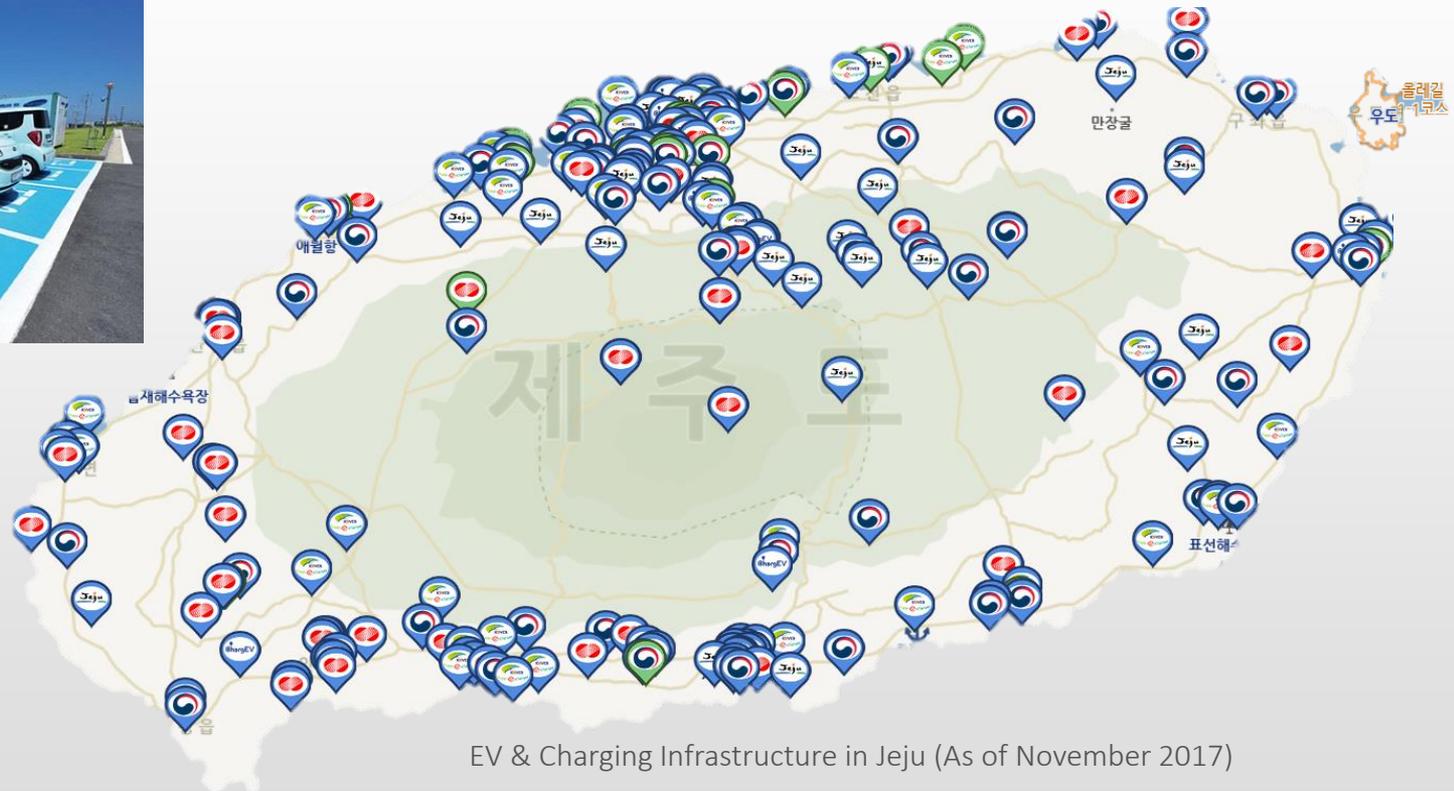
- ✓ Complete smart grid testing by 2013
- ✓ Build smart grid infrastructure by 2017
- ✓ Turn Jeju into a smart grid city by 2020

# EV & Charging Infrastructure in Jeju



*100% of Vehicles to EVs by 2030*

	2013	2014	2015	2016	2017	2022	2030
EV	360	660	2,930	5,613	11,520	147,153	377,217
Charger	497	524	2,641	4,007	21,380	73,150	138,000



EV & Charging Infrastructure in Jeju (As of November 2017)



## Global EV Association Network – GM Meeting

The Global EV Association Network is a non-profit body consisting of associations, institutions, business entities, and government agencies from 18 countries in the fields of EVs, smart grid, renewable energy, and environment. Its objectives are to share information and execute collaborative actions in pursuit of EV deployment and to share best practices in the areas of government policies, business models, and public relations.

# Carbon Free Island Jeju by 2030



## ASEAN 10 Countries EV Forum with ADB



The 6<sup>th</sup> International Electric Vehicle Expo

## **ITEC –AP 2019** with **IEEE** and **KIEE**

IEEE Transportation Electrification Conference and Expo 2019 (ITEC 2019) will be held in conjunction with the 6<sup>th</sup> International Electric Vehicle Expo in 2019 by both KIEE, the Korean Institute of Electrical Engineers, and IEEE, the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE is a leading developer of international standards that underpin many of today's telecommunications, information technology, and power-generation products and services.



The 6<sup>th</sup> International Electric Vehicle Expo

## International Forum of EV Automated Driving Systems

- Introduce of policies that are currently being promoted in terms of policy improvement for commercialization of autonomous vehicles and social acceptance
- Describe the ethical issues, current issues, and future prospects of artificial intelligence, robots, and autonomous driving vehicles, and explain the concept of social acceptability of autonomous driving vehicles
- Introduce autonomous driving industry trends and original technology of autonomous driving platform of global partner companies of NDM Corporation, Ltd., which occupies the dominant position in global competition structure by securing core technology of autonomous driving
- Autonomous EV driving Test in conjunction with NDM, Michigan State University, Smart Campus Future Mobility Technical Center in Seoul National University with 2 courses.

# Carbon Free Island Jeju by 2030



## Korea – China EV Forum with China EV 100 in 2019

1<sup>st</sup> Korea-Chian EV Forum will be held on January, 2019 in Beijing  
2<sup>nd</sup> on May, 2019 in Jeju, Korea during the 6<sup>th</sup> IEVE.



The 6<sup>th</sup> International Electric Vehicle Expo

## International EV Standard Forum **with IEC**

International EV Standard Forum is co-organized by International Electrotechnical Commission (IEC), the world's leading organization committed to preparing and publishing International Standards for all electrical, electronic and related technologies. During this Forum, experts from all around the globe share the best experiences of industry, researchers, consumers, and regulators, and engage in discussion to develop international standards to accelerate the adoption of electric vehicles worldwide.

# Carbon Free Island Jeju by 2030



**Pyeongyang Int'l EV Expo in 2019 (proceeding)**

# Carbon Free Island Jeju by 2030



## The 6<sup>th</sup> International Electric Vehicle Expo

- ☑ The 6<sup>th</sup> International Electric Vehicle Expo
  - May 8 - 11, 2019
  - Jeju, South Korea
  - Exhibition, B2B Program, Conferences, Events