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The New Era of Wind. the Future of Korean Green New Deal

# 8.2 GW Offshore Wind Power Generation Project

생명영양 으뜸진남  
Land of Life, Best Jeonnam

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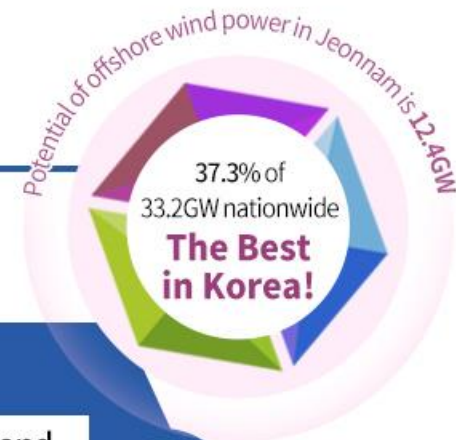
The New Era of Wind, the Future of Korean Green New Deal

- I Offshore Wind Power Trends from Home and Abroad
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## 1 Directions of Korean Policies on Offshore Wind Power



Seeking a new breakthrough with solidarity and cooperation between economic units, to overcome the crisis in the local economy and to innovate the industrial ecosystem in a future-oriented manner



The Southwest region of Jeonnam owns abundant potential of offshore wind power and it is the optimal location for establishing a large-scale offshore wind power generation complex

- ※ The potential offshore wind power in Jeonnam is 12.4GW, 37.3% of 33.2GW nationwide (the largest in Korea)
- ※ The average depth of the coastal area of Sinan-gun is less than 40m, the average wind velocity is at 7.2m/s



In order to realize the government's goal of becoming one of the top 5 countries generating offshore wind power, the establishment of 8.2GW offshore wind power generation complex, a mutual prosperity job model

With the mutual-prosperity job model that the labor-management-private-public in charge of the offshore wind power participates, jobs will be created in large scale and the groundwork for incubating a new industry will be built



Jeonnam's **offshore wind power industry**  
= the government's **Green New Deal**



Jeonnam's **Blue Economy initiative**



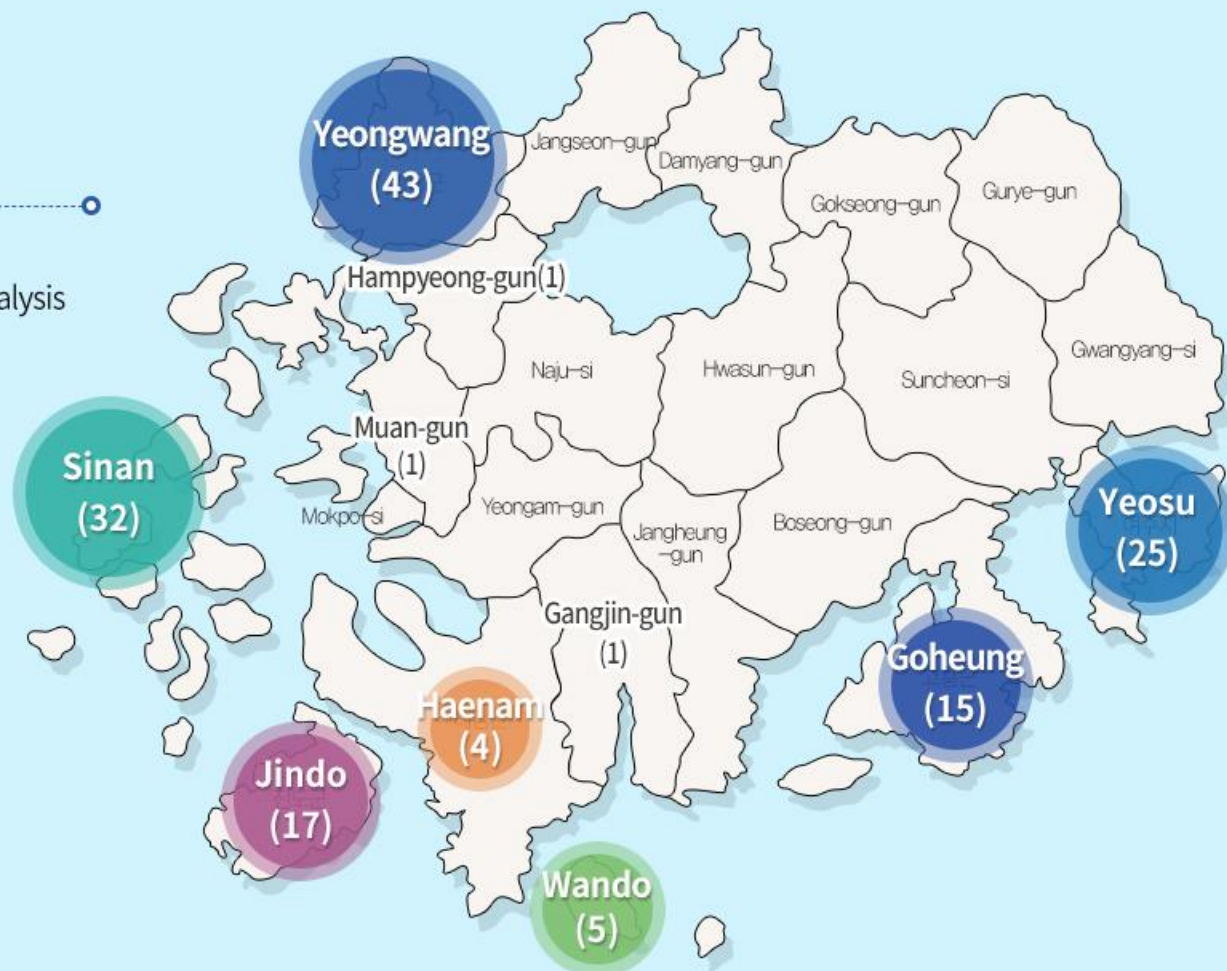
# II. Establishment of 8.2GW Offshore Wind Power Complex

## 2 Distribution Chart of Offshore Wind Power Generation Projects in Jeonnam

### 144 Power Plants in Total

- ▶ 26 licenses issued for power generation;  
118 licenses issued for meteorological analysis
- ▶ approximately 25GW

|            |    |
|------------|----|
| Yeosu      | 25 |
| Goheung    | 15 |
| Gangjin    | 1  |
| Muan       | 1  |
| Hampyeong  | 1  |
| Haenam     | 4  |
| Yeonggwang | 43 |
| Wando      | 5  |
| Jindo      | 17 |
| Sinan      | 32 |



## II. Establishment of 8.2GW Offshore Wind Power Complex

### 3 Establishment Plan for Sinan (8.2GW) Power Generation Complex

**Project Period** 2020-2030

**Capacity of Facilities** 8.2GW (maximum)

**Investment Amount** 48.5 Trillion KRW

**Scale of Project** 450 companies will move to the region and be fostered, creating 120 thousand jobs

**Project Items**

Establishment of offshore wind power complex, construction of the complex for manufacturing and assembly of wind power generator, establishment of infrastructure port and hinterland facilities, and establishment of transmission line

**Establishment of infrastructure**  
(2020-2030)

Transmission line  
2.3 trillion KRW (KEPCO, etc.)

Infrastructure port and hinterland at Mokpo New Port  
218 billion KRW  
(Ministry of Oceans and Fisheries)

**1st Phase**

**4.1GW**

2020~2025

Investment from the private sector 21 trillion KRW

58,755 jobs to be created

150 enterprises to be moved and fostered

**2nd Phase**

**2.1GW**

2022~2027

Investment from the private sector 12.7 trillion KRW

30,091 jobs to be created

150 enterprises to be moved and fostered

**3rd Phase**

**2GW**

2024~2030

Investment from the private sector 12.3 trillion KRW

28,660 jobs to be created

150 enterprises to be moved and fostered

## 5 Location Map of Sinan (8.2GW) Power Generation Complex



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**Jeonnam will take the initiative!**

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Thank you