

The Most Optimal Location for Floating Offshore Wind Power Industry, Ulsan Metropolitan City!

Natural Conditions

- **High Quality Wind**
 - 8m/s of average wind speed, favorable for offshore wind power generation
- **Wide Continental Shelves**
 - Depths between 100m and 200m, suitable for installation of floating offshore wind turbines

Background Conditions

- **Readiness To the Grid**
 - Power transmission and distribution networks already established, owing to Shin Kori Nuclear Power Plant and Ulsan Thermal Power Plant
- **Large-scale Power Demands**
 - Major energy consumers including Mipo and Onsan National Industrial Complexes located nearby

Industrial Foundation

- **World-class Companies and Human Resources**
 - Renown companies of shipbuilding and marine plants such as Hyundai Heavy Industries Group, Hyundai Mipo Dockyard, Sejin Heavy Industries and a large pool of labor force
 - Numerous related companies located in the nearby regions (Busan, Gyeongsangnam-do, Gyeongsangbuk-do, etc.)

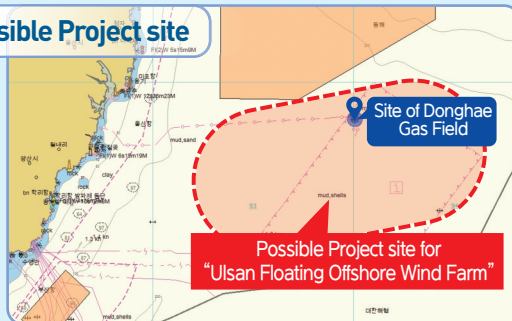
Candidate Facilities

- **Donghae Gas Field Platform and its Pipelines**
 - 58km away from the coast, end of production in June 2021

Utilizing Plan

- **Offshore Facility Recycling**
 - Platform : Wind Measurement and O&M base, etc.
 - Pipelines : Grid connection and Cable Protection, etc.

Possible Project site



FOWF in Ulsan 2019

International Forum of Floating Offshore Wind Farm 2019

Location



Lotte Hotel Ulsan

Address. 282 Samsan-ro, Nam-gu,
Ulsan Metropolitan City
TEL. +82-52-960-1000 FAX. +82-52-960-4334

Transpiration

KTX Ulsan Station → Lotte Hotel

Total Distance = 23.2km

- By taxi - 35 minutes
- By bus - 50 minutes (Take 5001 and Get off at Boram Hospital)

Ulsan Airport → Lotte Hotel

Total Distance = 8.2km

- By taxi - 16 minutes
- By bus - 32 minutes (Take 432, 453, 482, 492, 712 and get off at Sioe Bus Terminal)

Global Energyhub City **ULSAN**

ULSAN
THE RISING CITY

FOWF in Ulsan 2019

International Forum of
Floating Offshore Wind Farm 2019

DATES_ **Oct 21** (mon) - **Oct 23** (wed) 2019

VENUE_ **Lotte Hotel Ulsan**

Host | **ULSAN METROPOLITAN CITY** | Ulsan Technopark
NOC KOREA NATIONAL OIL CORPORATION | **KORAE EAST-WEST POWER CO., LTD.** | **KOREA ENERGY AGENCY**
KEEi | **UMC** ULSAN METROPOLITAN CITY CORPORATION | **Ulsan CCI**
UNIVERSITY OF ULSAN | **Energy Forum Corp.**

Coordinator | **ubc** (Ulsan Broadcasting Corporation)

Sponsor | **DOOSAN** Doosan Heavy Industries & Construction | **LS** Cable & System

M&STeK 慶重工業株式會社 HEAVY INDUSTRIES CO., LTD. | **UNISON**
ACE Engineering & Technology | **Shell** | **CoensHexicon**
CIP | **SK E&S** | **Green Investment Group**
KFWIND | **equinor**

www.fowf.net





Greetings from Ulsan!

I am Mayor Song Chul-ho of Ulsan Metropolitan City.

The world is facing a great shift in energy due to various environmental issues including depletion of fossil fuels.

To be in line with the "Renewable Energy 3020 Project" proposed by the South Korean government, Ulsan is developing a large floating offshore wind farm complex to comply with the national energy policy while fostering it as the second-era of the shipbuilding industry.

To this end, Ulsan is hosting the "International Forum of Floating Offshore Wind Farm 2019" to facilitate the B2B communication opportunities for networks between the private investment groups and companies.

It is my honor to invite both domestic and foreign companies and individuals from all around the world who are specialized in the offshore wind to this forum.

I look forward to your advice and cooperation in establishing a clean and safe floating offshore wind farm.

My sincerest gratitude, **송철호**

Mayor of Ulsan Metropolitan city **Song Chul-ho**

Event Overview

- **Period** : October 21 (Mon) - 23 (Wed), 2019
- **Place** : Ulsan Lotte Hotel
Opening Ceremony : Crystal Ballroom on the 2nd Floor

Detailed Program

Day 1 : Oct. 21 (Mon)

| Event | Time | Contents |
|----------------------------|-------------|---|
| IEC Conference | 09:00~12:00 | International Standard Committee on FOWF (IEC Members Only) |
| | 14:30~15:00 | Registration |
| Part 1 Presentations | 15:00~15:30 | Presentation on Government Policies and Ulsan Floating Offshore Wind Farm Project 1. Korea's Renewable Energy Policy Direction 2. Ulsan Floating Offshore Wind Farm Project |
| | 15:30~16:30 | Private Development Projects - by Shell-CoensHexicon, CIP-SK E&S, GIG, KFWind, Equinor |
| | 16:30~17:00 | Break |
| Part 2 Opening Ceremony | 17:00~17:10 | VIP Guests Introduction |
| | 17:10~17:15 | Opening Speech - Speaker: Mr. Song Chul-ho (Mayor of Ulsan Metropolitan City) |
| | 17:15~17:30 | Congratulatory Speeches |
| | 17:30~18:20 | Keynote Addresses 1. Speaker: Mr. Anders Eldrup(CIP) 2. Speaker: Mr. Mark Dooley(GIG) 3. Speaker: Mr. Sebastian Bringsværd(Equinor) |
| | 18:20~18:30 | Commemorative Photo Session |
| | | |



MOU Signing Ceremony for Floating Offshore Wind Farm Project

Day 2 : Oct 22 (Tue)

| Event | Time | Contents |
|-------------------------------|-------------|---|
| Part 1 Technical Showcase | 10:00~12:00 | (Session 1) Presentations by Supply Chain Companies - Fields : Turbine, Blade, Tower, Floating Structure, Mooring |
| | | (Session 2) Presentations by Supply Chain Companies - Fields : Power Grid, Transportation, Installation, O&M, Finance, Certification, Design, Electronic Units, Others |
| Lunch | 12:00~14:00 | Lunch(Not Provided) |
| Part 2 Business Networking | 14:00~15:40 | (Session 3) Network Building and Discussion Building networks and discussion between private investors and Supply chain companies |
| | 15:40~16:00 | Break |
| Part 3 Seminar | 16:00~17:40 | (Session 4) Floating Offshore Wind Farm Technology |

Day 3 : Oct 23 (Wed)

| Event | Time | Contents |
|------------------------------|-------------|---|
| Industrial & Ecological Tour | 10:00~15:00 | (Course) Hyundai Heavy Industries Group → Daewangam Park → Ulsandaeyo Bridge Observatory → Taehwagang National Garden → Ulsan KTX Train Station |

※ The program is subject to change