

Profile

A professional engineer with more than 30 years' industry experience across Onshore and Offshore Wind, Semi-conductor equipment and Automotive sectors.

- Ph D from Pennsylvania State University in Mechanical Engineering (1993)
- Representative for RES' wind business in Korea (up to Dec 2016)
- Strong wind industry network in the range of government to industries
- Authored first onshore and offshore wind O&M text books in Korea
- Authored several Government reports for R&D roadmap, policy innovation strategy
- Organized several international wind conferences
- Strong network with Government agents, opinion leaders of industry and academia

Career History

Blue Wind Engineering (2014-present)
CEO

DNV GL (GL Garrad Hassan) (2010-2013)
Business Development Manager

Hyosung (2009-2010)
VP, Wind Business Division

Personal Details

Position

CEO, Blue Wind Engineering

Languages

- English – fluent
- Japanese – medium

Affiliations

- VP of Korea Wind Energy Association
- Chairman, Wind Turbine Working Group, KWEA

Key skills

- Project management
- Wind farm design
- Wind measurement campaign
- Structural analysis
- Noise and Vibration analysis
- Corporate strategy development
- Risk analysis

Books/Reports

Introduction to Offshore Wind O&M (2015)
Introduction to Onshore Wind O&M (2015)
Offshore Wind R&D Roadmap, KETEP (2016)
Korea Offshore Wind Strategy, KETEP (2017)

Selected Recent Projects

Offshore Wind

OWF Feasibility Study (350MW)-confidential (ongoing)

To provide WTG selection support, AEP calculation, Layout optimization

- Client: confidential
- Partner: Everoze (UK)

Offshore transmission line cable study (ongoing)

To provide Cable Burial Risk Assessment and HDD design review

- Client: Dohwa/KEPCO
- Partner: Cathie Associates (UK)

Offshore O&M strategy (ongoing)

Provided offshore O&M market intelligence, O&M technology, offshore cable failure case study

- Client: KR/Hyundai Steel
- Partner: Everoze, AgileTek, SeaRoc (UK)

Offshore substation HSE review

Provided technical review of offshore substation HSE guidelines and manuals

- Client: KR/KEPCO
- Partner: rcg (UK)

Jeonnam OWF (300 MW)

Provided Owner's Engineering

- Client: Dohwa/POSCO Energy

Handong-Pyungdae OWF (100 MW)

Provided CapEx/OpEx review, Risk assessment, support structure design review, export/array cable route and cable protection review

- Client: Dohwa/Jeju Energy Corp
- Partner: Everoze (UK)

Pyoseon OWF Feasibility Study(100 MW)

Provided AEP calculation, CapEx/OpEx review

- Client: SK D&D
- Partner: RES (UK)

West-South OWF (60 MW)

Provided O&M organization design

- Client: KOWP
- Partner: Everoze (UK)

Offshore Wind HSE Study

Provided a comprehensive study of EU offshore wind HSE guidelines and its comparison with Korean HSE regulation

- Client: Yooshin/MOTIE
- Partner: RES (UK)

Floating offshore wind

Provided technical review, CapEx/Opex estimation, market trend, budget study for R&D program

- Client: KETEP, KICT, KRISO, KIMM

Cast node application study

Provided technical/commercial overview of cast node application for jackets

- Client: Daechang Solution
- Partner: RES (UK)

Yokji OWF (300 MW)

- Provided measurement campaign support
- Client: Yokji Wind

Onshore Wind

Project M&A Due diligence (369MW)

Provided US 3 onshore wind farms M&A technical due diligence

- Client: KDI/KEPCO

Condition Monitoring

Provided Condition Monitoring Service of US onshore wind farm

- Client: RES (UK)

Condition Monitoring System Certification

Provided Certification support for CMS and market trend study

- Client: SM Instrument

Gadeuk Onshore wind farm (20MW)

Provided measurement campaign, AEP calculation and layout optimization

- Client: Byuksan Power

Guideline for fire protection

Developed Korean version of fire protection guideline

- Client: MOTIE

Business Model development

Developed business model for blade inspection and cleaning

- Client: KLEM
- Partner: Everoze (UK)

Repowering

Provided Owner's Engineering for repowering onshore wind farm

- Client: Dohwa