

Korea-EU Horizon Europe Researchers Networking Forum on Energy & Advanced Mobility

• **Gahyeong Kang**

Position
: **Senior Researcher**



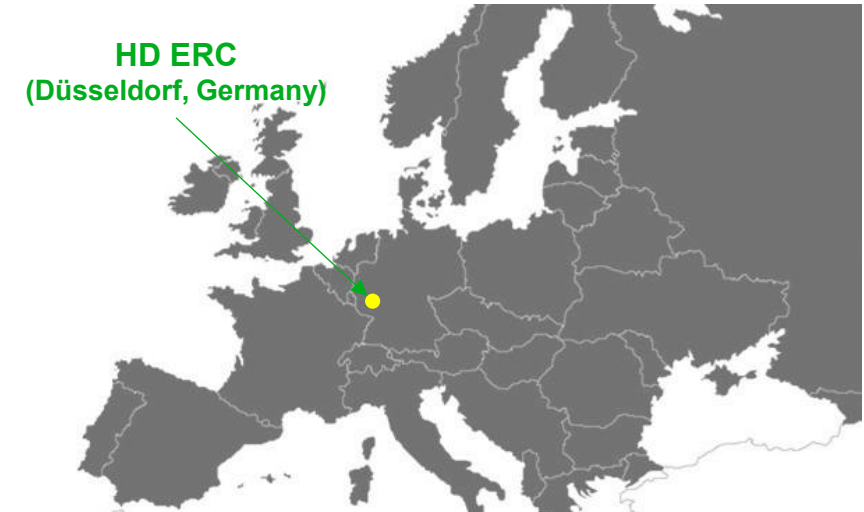
Research Area
: **Clean Energy for Marine
application**



1. HD Hyundai Europe R&D Center

- **European research center of**

- **Located in Düsseldorf, Germany**
— **building collaborative R&D networks with European partners**
- **Acting as a bridge between Korea and Europe in technologies of**
— **marine, energy, hydrogen**



HD Korea Shipbuilding to invest 15 mln euros in Europe

All News • 11:18 April 28, 2023



SEOUL, April 28 (Yonhap) — Major South Korean shipyard HD Korea Shipbuilding & Offshore Engineering Co. said Friday it will expand its research and development (R&D) spending in Europe to secure future shipbuilding and maritime technologies.

To that end, HD Korea Shipbuilding will spend 15 million euros (US\$16.5 million) on its European research institute in Dusseldorf, Germany, and other R&D projects, including one for onboard carbon dioxide (CO2) capture and storage (OCCS), over the next five years.

2. Expertise

- **Broad portfolio in eco-friendly and energy technologies for large vessels**
- **Focus on clean fuels (**hydrogen**) and high-efficiency power generation systems (**SOFC**)**
- **Strong background in technology development and collaboration with research institutes across Europe**

HD Hyundai Accelerates Entry into European Market with Fuel Cell Technology for Cruise Ships

2025.06.19



<https://www.hd.com/en/newsroom/media-hub/press/view?pageIndex=4&pageRowSize=10&listRowSize=10&typeCd=&detailsKey=3573&srchTagYn=&q=&f=3>



3. Project Idea

In general..

- **Focus on next-generation power and energy systems, combining clean fuels, fuel cells, and hybrid energy management**
- **Aiming to contribute to decarbonisation of large vessels through collaboration between industry and academia**
- **Interested in technology development, validation, demonstration, and regulatory readiness within upcoming EU calls (including **CHJU**)**



4. Profile You are Seeking and Why

- **Open to collaboration with research institutes, universities, and industrial partners across Europe**
- **Seeking partners with expertise in clean energy technologies, digital control, and system optimization**
- **Interested in joint studies and demonstration projects that can link technology innovation to real applications**



5. Contact Details



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