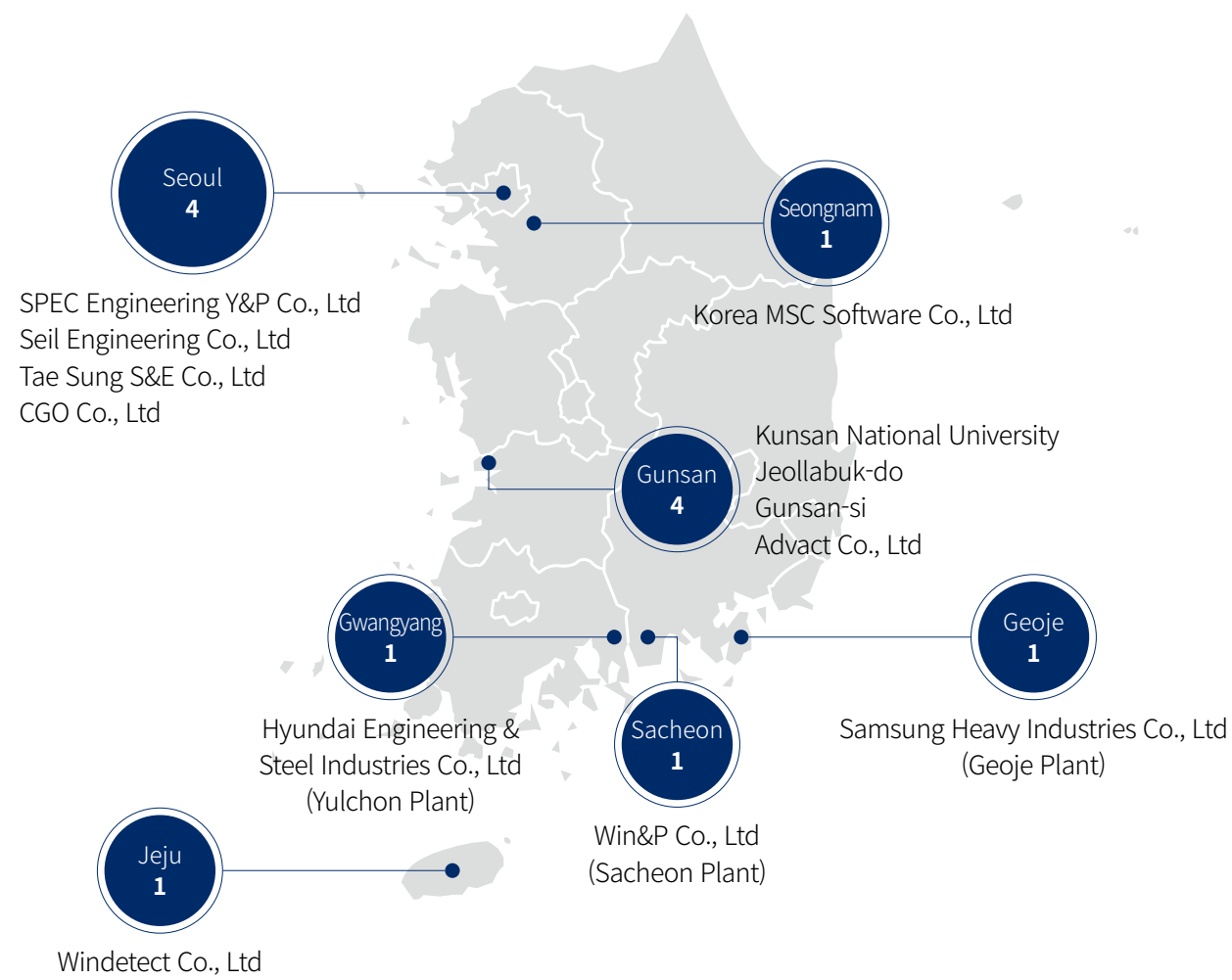
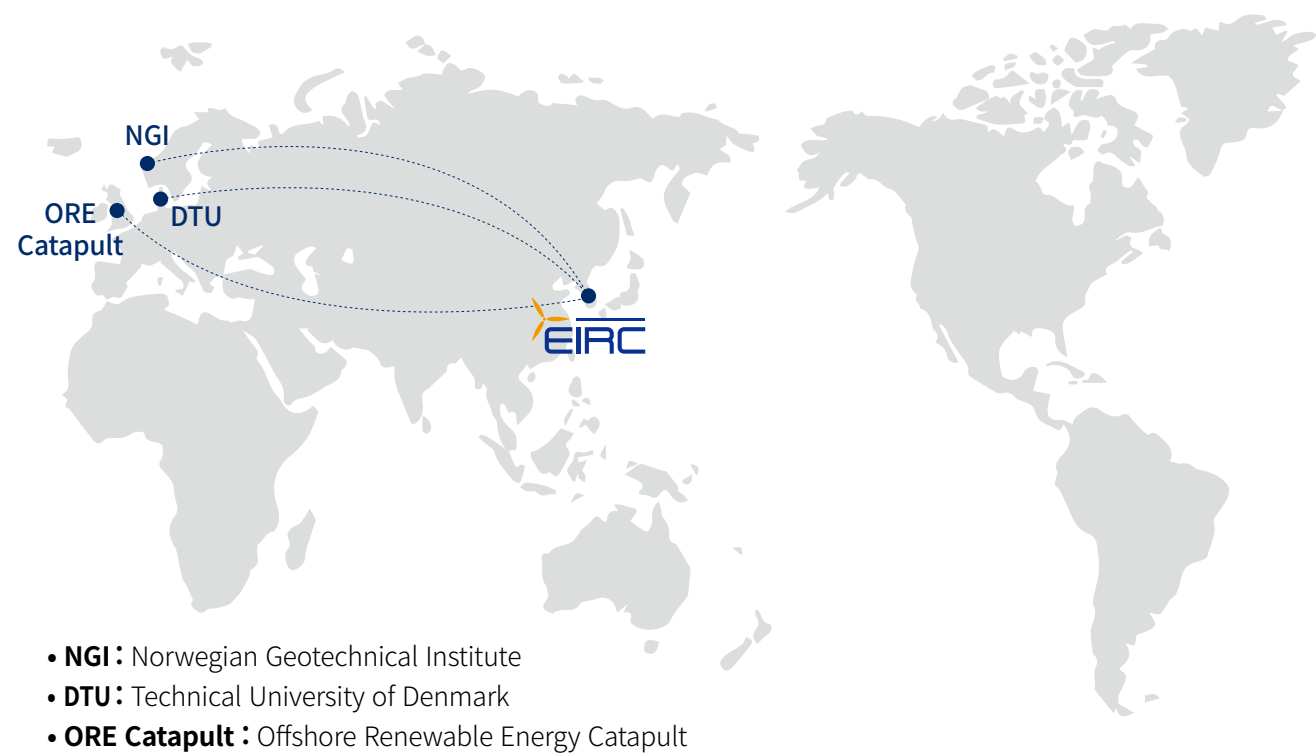


Host University / Participating Companies



Global Network (as of 2022)



Homepage eirc.kunsan.ac.kr
Tel +82-63-469-7509, +82-63-469-7510
Address Energy Innovation Research Center for Wind Turbine Support Structures
558 Daehak-ro, Gunsan-si, Jeollabuk-do, Republic of Korea (ZIP 54150)

Energy Innovation Research Center

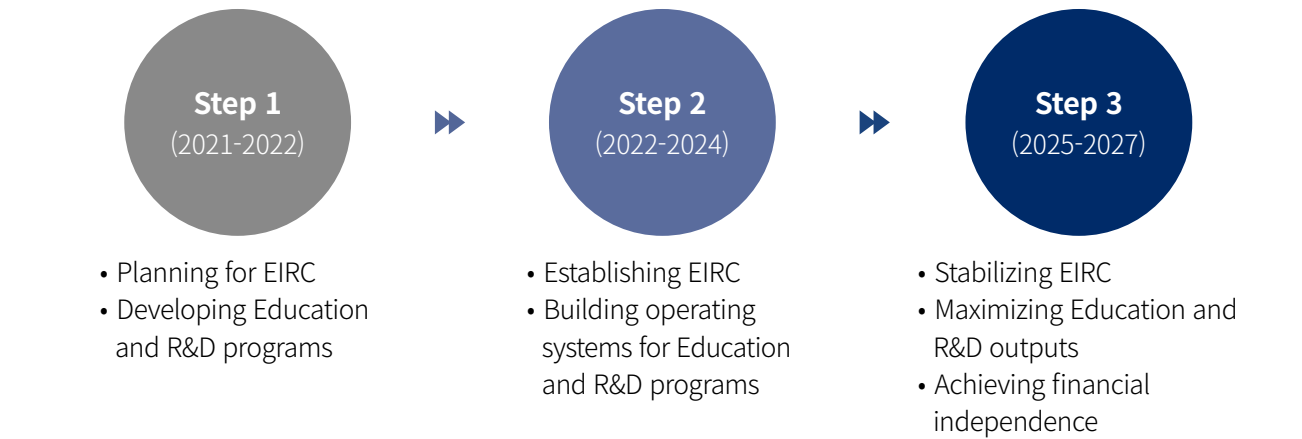
for Wind Turbine Support Structures



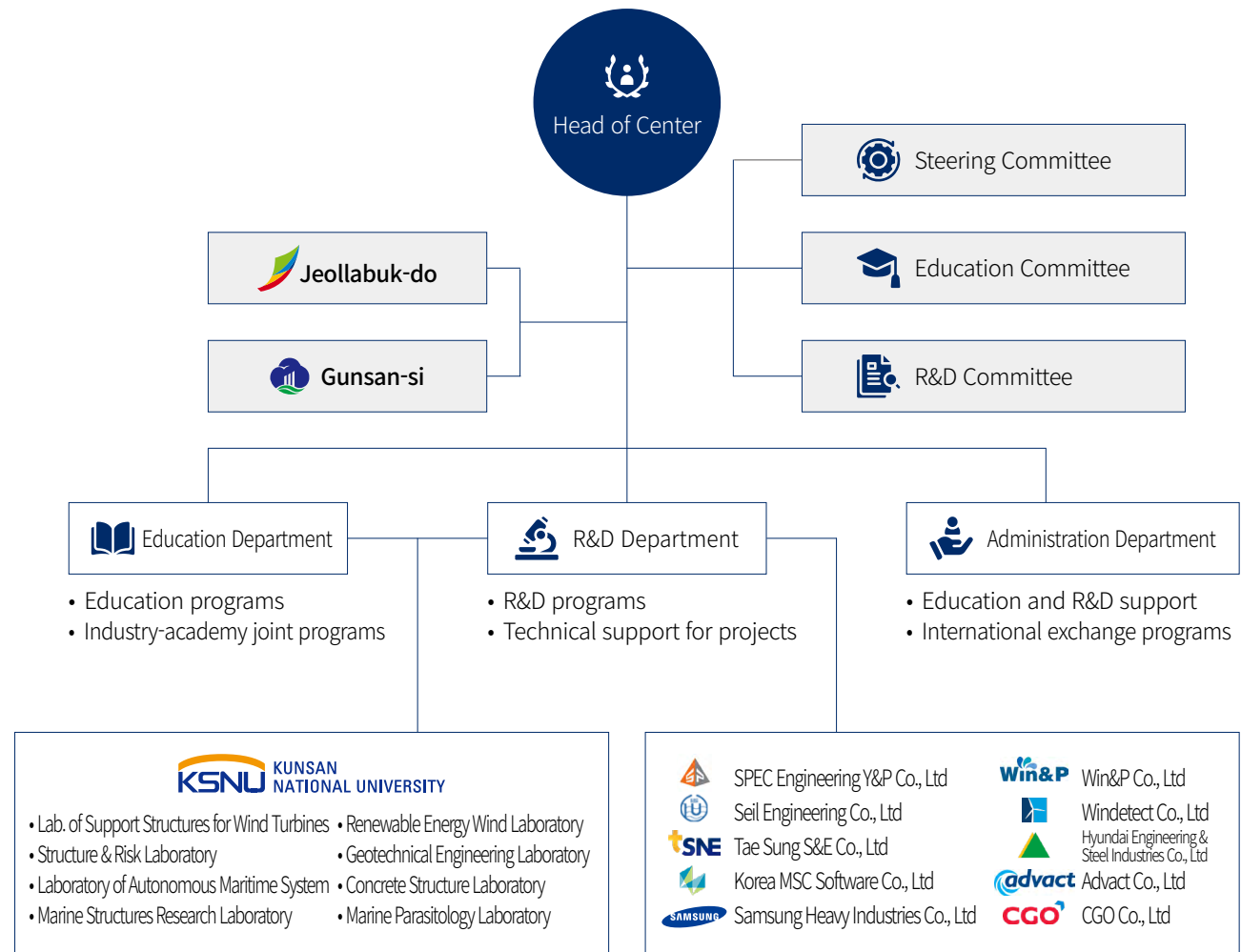
About Energy Innovation Research Center for Wind Turbine Support Structures

Energy Innovation Research Center for Wind Turbine Support Structures was established on the financial support of the Korea Institute of Energy Technology Evaluation and Planning (KETEP) grant funded by the Korea government (Ministry of Trade, Industry & Energy). This center has been operated successfully by the outstanding Korean research engineers in the field of wind turbine support structures (e.g., towers, fixed and floating substructures, foundations, anchors). Based on excellent domestic R&D infrastructures and global networks, this center is striving to strengthen its position in the global wind energy industry.

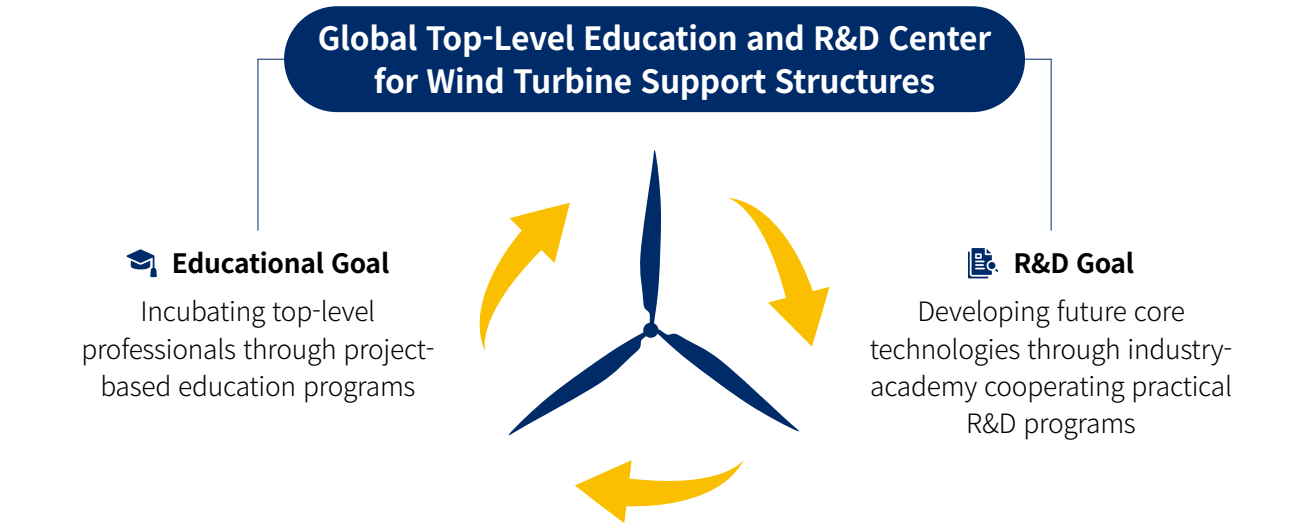
Business Overview



Center Organization



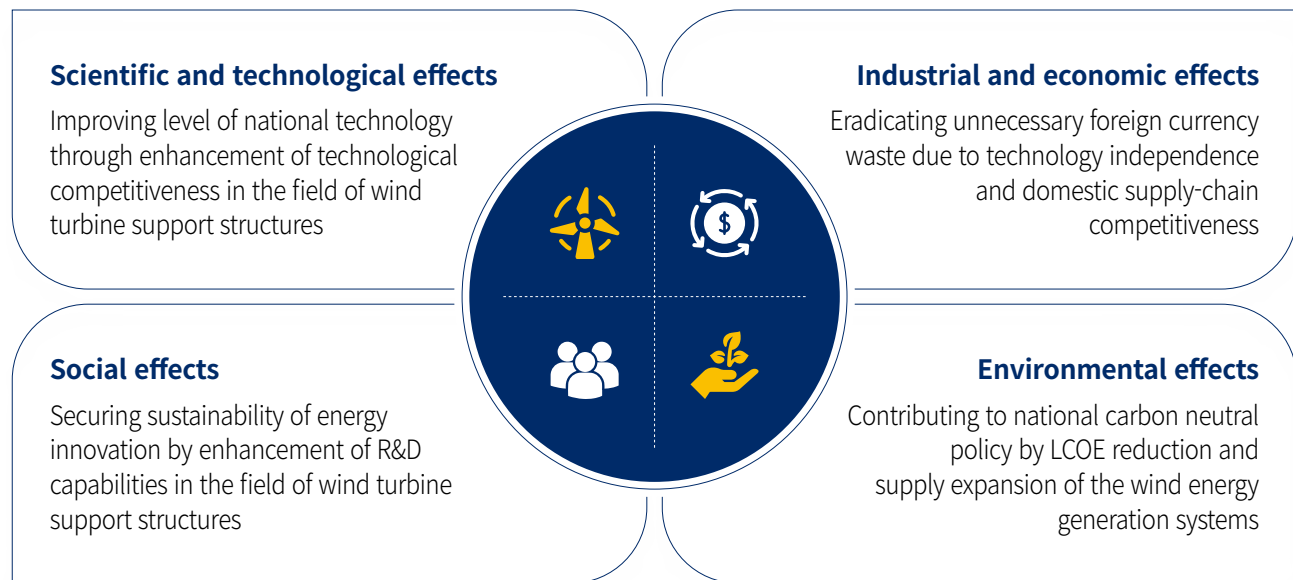
Vision / Goal



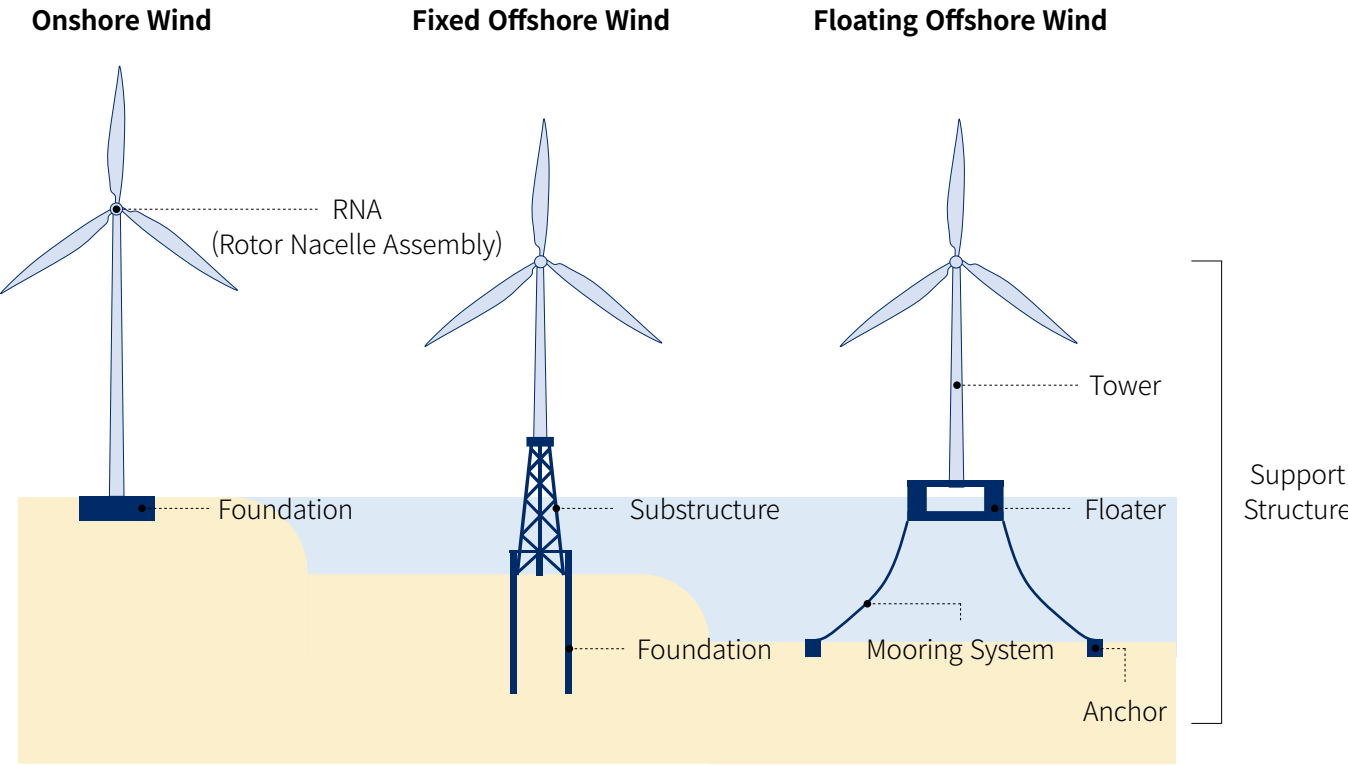
What We Do



Effectiveness



Education and R&D Programs



Education Programs	Curriculum	Major courses / Selective courses	
	Industry-Academy Cooperation Program	Field training / Field tours / Lectures from industry experts / Education for industry professionals	
R&D Programs	Wind Towers for Onshore(Offshore) Wind	Development of advanced wind tower systems and their applications	
		Improvement of steel fabrication technologies for tubular wind towers	
	Support Structures for Fixed Offshore Wind	Development of antifouling systems for marine structures	
		Development of advanced substructure systems for the fixed offshore wind	
		Development of a simplified analysis method for the design of support structures for the fixed offshore wind	
		Development of design, fabrication, and construction technologies for monopile substructures	
	Study on lateral behavior of large diameter piles for the fixed offshore wind applications		
	Support Structures for Floating Offshore Wind	Development of smart monitoring systems for the floating offshore wind	
		Development of support structures for floating offshore wind energy generation systems; analysis and design	
		Development of marine transportation and mooring techniques for floating offshore wind energy generation systems	