

Green Energy Institute (GEI)



Sector: Renewable Energy
Sub-sector: Energy new industry
Established: Aug. 2009.
Employees: 100 people
R&D Personnel: Seungheon Song
Sales(\$) Non-profit corporation
Website: <http://www.gei.re.kr>

Contact Information

Name Seungheon Song
Title General Manager
E-mail fsaa@gei.re.kr

• COMPANY DESCRIPTION

- **Implement a R&D project to practically help local businesses and residents**
 - Develop energy convergence technologies creating revenue for the residents including solar power, wind power and New Energy Industry
- **Promote fostering and supporting energy and ICT convergence New energy Industry**
 - Promote fostering and supporting energy + ICT Convergence New Energy Industry
- **Contribute to energy welfare of the residents**
 - Support residents energy welfare including building a local coexistence solar power plant, creating energy-independent islands

• MAIN PRODUCTS AND TECHNOLOGIES

- **Solar Photovoltaic Energy R&D**
 - Certificate an international standards and establish foundation for New Energy Industry demonstration
 - Develop and demonstrate of underwater solar power generation system in salt farm
 - Develop and demonstrate a solar power generation system combined agriculture
- **Wind and Marine Energy Research**
 - Research on the oceanic wind resources and the environment of marine wind power for the construction of marine wind farm
 - Develop technology for small and medium wind power generator and generating system
 - Develop waves and tidal energy
- **Research on the convergence of New Energy Industry**
 - Establishment of MG demonstration base for industrial complex and demonstration of power transaction, SG, ESS, EMS, etc.
 - Develop a microgrid operating platform based on blockchain
 - Demonstration Project of Smart Energy City
- **New Energy Industry Think-Tank of Jeollanamdo Province**
 - Establish mid to long term development plans of the Institute
 - Build a network platform to revitalize the energy industry
 - Support the discovering and establishing of energy policies in Jeollanam-do
 - Lead the hydrogen economy and promote the hydrogen industry

• REQUIRED TECHNOLOGY FOR COOPERATION

- **A field of energy application technology**