

# Invest Korea Market Place

Invest Korea Market Place (IKMP) is an online business matching platform available on Invest KOREA's website with information on approximately 300 Korean companies seeking to partner with foreign investors. This month, Invest Korea introduces some outstanding companies in Korea's renewable energy industry.

## COMPANY A



*Outdoor all-in-one ESS*

Investment Requirement		Company Profile	
<b>Amount</b>	USD 4.5 million	<b>Patents and Certificates</b>	Under registration of 5 patents including a patent for a battery management system
<b>Investment Structure</b>	Minority	<b>Financial Performance</b>	(Sales) USD 0.86 million (in 2018, Unaudited)

### Investment Highlights

The company's energy storage system (ESS) is an effective means of establishing a stable and efficient energy supply/demand system, and is attracting global attention as a new growth engine with high market potential. Today, secondary battery-based electricity storage methods are drawing attention, and the market environment is being created in earnest, especially focusing on lithium-ion batteries that feature high-energy density and high efficiency. Recently, as lithium-ion battery-applied ESSs have been intensively installed in Korea and around the world, the demand for lithium-ion batteries among global ESSs is expected to grow at an annual average of 97.2%, increasing to 11,420 MWh by 2020.

## COMPANY B



*All-solid-state batteries*

Investment Requirement		Company Profile	
<b>Amount</b>	USD 2.5-4.2 million	<b>Patents and Certificates</b>	Registration of 11 domestic patents and a technology transfer/patent, along with one Patent Cooperation Treaty (PCT) application
<b>Investment Structure</b>	Financial investment	<b>Financial Performance</b>	(Sales) USD 9.39 million (in 2019, Audited)

### Investment Highlights

The company has successfully developed a garnet-type oxide-based solid electrolyte material, which is the key technology for all-solid-state lithium-ion secondary batteries. Because the solid-state electrolyte material has been proven safe for medium-to-large-capacity battery technology, it ensures excellent technological competitiveness. The technology transfer from the Korea Institute of Industrial Technology (KITECH) and our garnet-type oxide-based solid electrolyte material have improved the ionic conductivity of the existing liquid-state electrolyte and expressed a high voltage through a wider potential window. All of these allow the company to manufacture pouch-type monopolar or bipolar all-solid-state lithium-ion secondary batteries by utilizing a composite NCM-based cathode composed of LLZO and a lithium metal anode with a high energy density.

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