











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 secondary battery industry.

COMPANY A		Investment Requirement		Company Profile	
1. Pretreatment		Amount	USD 8.5 million	Patents and Certificates	Applied 9 patents including eco-friendly buoys using waste vinyl
2. Grinding		Investment Structure	Joint venture	Financial Performance	(Sales in 2020) USD 8.60 million
3. Cleaning		Investment Highlights <ul style="list-style-type: none"> • Waste vinyl recycling LLDPE: The company produces LLDPE (Linear Low Density Polyethylene) by collecting waste vinyl from farming and fishing villages. The LLDPE is specialized in producing highly rigid films, even though it has properties similar to those of LDPE. The company has established an optimized PE pellet production line by analyzing the characteristics of each waste vinyl type, and is the only company in Korea to have successfully applied high-density filter over 100 mesh. The company holds 10 patents related to extrusion, filtration, and dewatering technology, which are most important in regeneration technology, and has its own technology for manufacturing facilities by introducing the latest 3D modeling and drawing technology. • Waste vinyl recycling market: The rate of waste plastic recycling in Korea currently stands at 61.6%, and the recycled plastics market is forecast to grow at an annual average rate of 8.1% until 2026. 			
4. Dehydration					
5. Extrusion					
6. Cutting					
7. Recycled PE chip production					

COMPANY B		Investment Requirement		Company Profile	
	<i>All-solid-state electrolyte</i>	Amount	USD 2.5-4.2 million	Patents and Certificates	Registration of 11 domestic patents, 1 patent cooperation, treaty application
	<i>Token cell for all-solidstate batteries</i>	Investment Structure	Financial investment	Financial Performance	(Sales in 2019) USD 9.39 million
	<i>All-solid-state batteries (monopolar/bipolar structure)</i>	Investment Highlights <ul style="list-style-type: none"> • All-solid-state lithium-ion secondary battery: 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. • All-solid-state lithium-ion secondary battery market: According to SNE Research, the lithium-ion secondary battery market is projected to reach USD 250 billion by 2030 from USD 24 billion in 2018, with a compound annual growth rate (CAGR) of 21% during the forecast period. 			