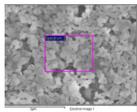
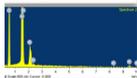


Invest Korea Market Place

Invest Korea Market Place (IKMP) is an online business matching platform available on Invest KOREA's website with information on over 280 Korean companies seeking to partner with foreign investors. This month, KOTRA Express introduces some outstanding companies in Korea's petrochemical industry.

COMPANY A

Uniform binder-boehmite mixture

Uniform coating thickness of $\pm 1.5 \mu\text{m}$ reduces the percent defective.



Technology for uniform coating

Investment Requirement		Company Profile	
Amount	USD 3 million	Patents and certificates	Applied for two patents for coated separators for EV and ESS secondary batteries and a manufacturing method
Investment Structure	Minority (Financial investment), Joint venture, M&A	Major Clients	Samsung SDI, LG, SK, Hyundai Motor Company (mass production in 2020)

Investment Highlights

The company has 2 key technologies. ①Uniform coating layer: each particle maintains its form which ensures the uniformity of coating thickness ②Heat resistance: In the comparison of heat shrinkage at 180°C for 60 min., the competitor's product showed a shrinkage ratio of 50% or more, while ours boasts less than 3%.

The company can develop slurries according to customer needs. Moreover, it can produce coating separators for secondary batteries that are used for the development of an electric vehicle that can drive at least 500 km once charged.

COMPANY B



Exfoliate films coated on the shattered pieces



Used to manufacture high-strength auto parts and electronic products by the injection molding

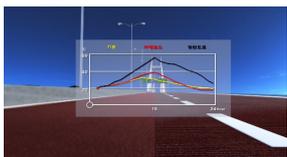
Investment Requirement		Company Profile	
Amount	USD 2 million	Patents and certificates	Applied for two patents related to equipment for exfoliating car bumper protection and acquired the certificate of green technology
Investment Structure	Equity investment	Financial Performance	(Sales) KRW 5,769 million (in 2016) (R&D) 3.9% (to sales ratio, in 2015).

Investment Highlights

The company manufactures recyclable polypropylene composites by collecting waste bumpers, exfoliating their film, and cleaning resulting bumpers. The process is as follows: ①Break bumpers into shatters ②Remove paint coated on the shatters with special chemicals and processing them as recyclable materials ③Recycled bumper shatters are used to manufacture plastic products that require high strength.

The product boasts higher exfoliation than existing chemicals by 20-40%, thus used as new materials for cars.

COMPANY C



Radiant heat-blocking technology of CHAMELROAD

Investment Requirement		Company Profile	
Amount	USD 6.5 million	Patents and certificates	4 patent rights for a temperature-sensitive color change composition and a temperature-sensitive color change and anti-slip composition related to smart road pavement material technologies
Investment Structure	Minority (Financial investment), Joint venture	Major and Potential Clients	Malaysian Highway Authority, Vietnam Expressway Corporation, ViaCon (Finland), etc.

Investment Highlights

The key technologies of CHAMELROAD demonstrate safety and cost reduction.

Temperature visualization technology is intended to visualize hydroplaning that occurs after road freezing or rain to actively prevent traffic accidents caused by slippery roads.

Radiant heat-blocking technology is meant to relieve the urban heat island phenomenon, thereby reducing energy consumption rates. It also increases the durability and life span of road pavements, thus saving costs.

For more information, please visit the IKMP page on www.investkorea.org.