

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 robotics industry.

COMPANY
A



*ECO-BOT
Green algae removal AI robot*



*ECO-BEE
Floating water purification device*



*ECO-STATION
Integrated AI
Water management solution*

Investment Requirement		Company Profile	
Amount	USD 3 million	Patents and Certificates	8 patents, venture certification, ISO 9001 and ISO14001
Investment Structure	Minority, M&A	Financial Performance	(Sales in 2020) USD 1.26 million

Investment Highlights

- **Water environment and new renewable energy:** The company holds a technology for purifying polluted fresh water in reservoirs, lakes and other water sources using self-driven AI floating robots. It provides an integrated water purification solution that combines water purification technology with solar power generation technology on water. It also has a 4.0 water environment purification technology which can be applied both to water-borne solar power generation and smart city projects.
- **Global water management market:** The amount of water available for human consumption is decreasing due to global warming and desertification caused by climate change, while the global demand for water is growing continuously. Due to the massive increase in water consumption, the size of the global water management market is expected to grow from USD 710 billion in 2010 to USD 890 billion in 2023, at an annual average growth rate of 3.2%.

COMPANY
B



Products developed by type

Investment Requirement		Company Profile	
Amount	USD 7 million	Patents and Certificates	Registered 15 patents, including a 'Robot apparatus for cleaning photovoltaic panel'
Investment Structure	Minority	Financial Performance	(Sales in 2020) USD 0.05 million

Investment Highlights

- **Solar panel cleaning robot:** This robot can be applied to solar power plants installed in various forms. The company provides a rapid solar panel cleaning service designed to promote workers’ safety, and is currently developing an O&M platform for solar power plants.
- **Growth potential of the cleaning robot market:** Environmental issues are rapidly emerging across all industries due to the Green New Deal and the adoption of ESG management around the world. The global cleaning robot market was valued at KRW 2.2 trillion in 2020, and is expected to reach KRW 3.6 trillion in 2025, showing an annual average growth rate of 10.4%.

COMPANY
C



Customer recognition/ analysis systems



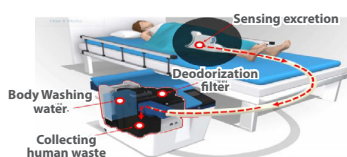
Payment robot with facial recognition

Investment Requirement		Company Profile	
Amount	USD 1 million	Patents and Certificates	Registration of 6 patents locally and abroad
Investment Structure	All available	Financial Performance	(Sales in 2019) USD 0.04 million

Investment Highlights

- **Artificial intelligence (AI) based services:** The company's platform is for AI-based face-object-emotion recognition software. As a commercially viable kiosk equipped with artificial and emotional intelligence, it can support smart customer services, such as product/service recommendations tailored to customer tastes, upselling, and membership management, through the AI recommendation algorithm of the facial recognition-based contactless payment system.
- **Ai robots market:** The development of big data processing and advanced mechanical technologies has led to the explosive demand for AI robots in different fields, such as military, defense, personal support and care, inventory management, and responses to emergencies like fires and disasters. According to Markets and Markets, the global AI robots market is projected to reach USD 12.36 billion by 2023 from USD 3.49 billion, with a compound annual growth rate (CAGR) of 28.78% during the forecast period

COMPANY
D



Operational principle of excretion care robot



Photo of providing nursing services

Investment Requirement		Company Profile	
Amount	USD 10 million	Patents and Certificates	Registered 85 patents including 'Excrement treatment device tailored to the human body'
Investment Structure	All available	Financial Performance	(Sales in 2019) USD 1.87 million

Investment Highlights

- **Curaco excretion care robot:** Curaco runs a business that manufactures and sells the product caring for injury patients, disabled patients, and patients who have gone under surgery and need to excrete with the help of others, by developing a robot that automates the entire process of excretion. The central government and local governments in Korea purchase the product and distribute it to socially disadvantaged persons with reduced mobility. The company is also leading the global field of excretion care robots. The product has been designated as an item for long-term care insurance operated by the Japanese government for the first time among products of foreign companies. As a result, users of the product can receive public support for 90% of the total product price. The product has also been registered as a procurement item by the government of Hong Kong.
- **Service robot market:** Global life expectancy is increasing steadily owing to the development of medical and pharmaceutical technologies. In particular, the aging market is expanding rapidly in advanced countries such as the U.S., Japan, and Korea, and the demand for service robots is also increasing rapidly.

For more information please e-mail ikmp@kotra.or.kr, or visit the Invest KOREA Market Place page on www.investkorea.org.