



Korea's Smart city project led by private sector (Solaseado)

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Introduction

Korean government is actively pushing forward on Smart City development in the 4th industrial revolution era. The Smart City development is considered to be one of the major growth engines in Korea's economy in the near future. Currently, there are two national test beds led, by the central government, which are Sejong and Busan, and smaller Smart Renewable city projects initiated by local and regional organizations. Not only the public sector, but also the private sector is also contributing to the Smart City development. Especially, Solaseado Enterprise City ¹ is going to be a Smart City with a concept of tourism and leisure.

Solaseado Enterprise City

Solaseado Enterprise City is developed by a construction company called Bosung. It is located in Haenam-gun Jeolla South province which is southwestern side of Korea. The size of the site is approximately 21 million square meters with a combination of sea, lakes and plain land. The uniqueness of this smart city compared with other Korean (smart) cities is that the city will not have any high rise apartment buildings and therefore be less densely populated (expected 30,000 inhabitants), and will co-exist with nature for an eco-friendly environment. The city has five focused concepts which are Zero-carbon city, high-tech agricultural city, smart Tourism and Leisure City, self-driving electric automobile city, and creative and intelligent city.

Zero-Carbon City

In order to realize the zero-carbon city, the city will use renewable energy by building a large solar farm at a cheap reclaimed land and big lakes. The main transportation will be electric car, so EV charging station will be very much accessible. Furthermore, the residence will also thrive for eco-friendly housing.

High-tech agricultural city

The main business of this area has traditionally been farming. To nurture and boost up this existing industry, Solaseado adopts high-tech agricultural technologies to become the central hub for agricultural industry. Utilizing the cutting edge technologies, they want to innovate and improve production and logistics. There will also be training sites for young agricultural professional to adapt the smart farm technologies.

Smart Tourism and Leisure City

Solaseado has a beautiful natural view with insolation, sea and lakes. Tourists not only will enjoy the nature, but also will take advantage of advanced ICT based services for their convenience.

Self-driving electric automobile city

¹ Enterprise City is a similar term of company town where the city is developed by a company with well-established infrastructure, residence, educational institute, medical center and other convenient facilities. It often boosts up local economy and regional development.



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Self-driving electric vehicle will be available as sharing service. The citizens and visitors will experience the innovative transportation such as autonomous shuttle, taxi and delivery service in Solaseado.

Creative and Intelligent City

ICT based technology enables a hyper connected society with massive data and information. Construction of smart city will connect people and technology, thus will create business opportunities using the public data and also increase citizen's involvement to improve the quality of citizen's life.

Conclusion

The city development is led by the private sector, so there is less bureaucracy to do business with this city. Furthermore, the Dutch are leading in landscape design with eco-friendly environment. Especially in the field of smart farming, zero energy housing and self-driving system, Koreans do not have as much knowledge as the Dutch have, so there is some room for business cooperation.

Source

<https://www.solaseado.com/eng/trip/trip05>

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