

## **MariMatic to deliver Automatic Waste Collection to Sejong Happy City 5-1 South Korea.**

*MariMatic together with its local partner has, through a public tender process, been chosen by the Korea Land & Housing Corporation Ltd, as the supplier of an Automatic Waste Collection System (AWCS) for the new residential area in Sejong Happy City 5-1. The system utilizes MariMatic's unique energy efficient MetroTaifun® Technology with non-corrosive pipe networks.*

Sejong City was named in honor of King Sejong the Great, and recognized as a Smart City with smart and sustainable city tech, a waste collection system, zero-waste food disposal, electric car charging and sharing stations, etc.

Smart Cities (like Sejong City) is rethinking, evolving waste handling into a smart automated solution, transporting all waste through underground pipe infrastructures to waste transfer terminals.

The advantages and benefits of automatic, underground waste collection include a number of improvements in city living, e.g., eliminating noise and reducing the CO<sub>2</sub> footprint. It also minimizes human contact with waste, which is important especially in difficult situations, e.g., during the on-going Covid-19 pandemic.



The waste transfer terminal (seen on the above picture) will be fully equipped with the world's most modern Automatic Waste Collection System technology from MariMatic. The waste transfer terminal will be handling two (2) waste fractions (viz mixed and biowaste), and

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connected with approximately 40 km of public and private MetroTaifun® pipeline in the area, and will initially serve a population of approximately 25,000 residents.

MariMatic is known for being the most innovative company in the field, e.g., using small 300 mm diameter corrosion-free “composite piping”, instead of the commonly used large 500 mm diameter carbon steel piping system. Due to the absence of corrosion, a longer life cycle and energy saving is achieved. Interruptions due to blockage are minimal, as the small diameter allows waste to completely fill up the pipe’s cross-section, giving a perfect vacuum for conveying. Furthermore, MariMatic’s formator technology enables larger waste bags (150 litre) to be reduced and used in the 300 mm diameter piping. MariMatic’s patented *Ring-Line* configuration allows air flow direction to change, to facilitate dislodging any possible blockage.

Recently, MariMatic was awarded contracts to supply Automatic Waste Collection Systems for a new part of the City of Mecca in Saudi Arabia, called “Masar Makkah”, where its core components; walking boulevards equipped with waste bins, and over 210 plots with hotels and hotel apartment buildings, are connected to a pipe network.

Masar is the 2nd largest AWCS in the world (300 tons of waste per day) after the AWCS in al-Masjid al-Ḥarām (The Great Mosque) in Mecca, which is easily the largest in the world (600 ton per day), again delivered by MariMatic.

MariMatic is a technological company, developing and marketing vacuum pipe conveying solutions for various industries and Smart Cities worldwide. Development of the products and solutions began in 1983 and since then, over 1000 systems have been delivered to over 40 countries.

If we can interest you in our extensive range of solutions, please do not hesitate to contact us for further information, and please take a moment to visit us as well, at our website:

[www.marimatic.com](http://www.marimatic.com).

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