One of the Most Compact in the World

Built on a land area of only 1.5 hectares, Keppel Seghers Tuas WTE Plant is one of the most compact WTE plants in the world. It has the capacity to treat 800 tonnes of solid waste a day to generate 22 MW of green energy, contributing to Singapore’s energy mix with the electricity that is in excess of plant consumption.

Designed by a team of experienced engineers, the plant utilizes Keppel Seghers’ innovative technology in all key components such as the

- Air-cooled Tumbling Grate which can withstand high temperature and abrasion, as well as secure thorough mixing and even burning of the waste.

- Boiler which ensures that high heat temperature is achieved from the combustion of waste.

- Flue Gas Treatment System which eliminates noxious harmful and toxic gases, and particulates to the end that the gas composition with international standards is attained.

Senoko Waste-to-Energy Plant

Apart from Keppel Seghers Tuas WTE Plant, Keppel Seghers also operates Senoko Waste-to-Energy Plant (Senoko WTE Plant), which is the first incineration plant to be built in Singapore.

Keppel Seghers provides Operation and Maintenance (O&M) services to the plant which has the contracted capacity to treat 2,100 tonnes of solid waste a day. To achieve the latest emission requirement of the plant, which was completed in 1992, Senoko WTE Plant utilizes its seasoned with gas treatment technologies for better performance.