

Appendix C

Examples of AVAC Installations:

The use of AVAC waste collection systems in new development areas is rising, particularly in Scandinavia and in Asia, where South Korea, Taiwan and Hong Kong are leading the way in implementing this type of technology. These systems are also being adopted in new development areas in the Middle East.

Sunshine Coast - Australia

Australia's first underground automated waste collection system opened June 2021 in the new Maroochydhore City Centre on the Sunshine Coast.

Waste and recyclables in the new Maroochydhore City Centre will move by vacuum pressure at up to 70kmh through a 6.5km network of underground pipes to a control centre on the perimeter of the Central Business District (CBD) from:

- residential apartments
- commercial buildings
- public places

The existing AWCS underground pipe network will be progressively extended into future stages as the city centre is developed.

Wembley Park - London

In a 350,000 m² area around the new Wembley Stadium, which opened in 2007, a completely new district is being built. Nearly 7,000 residential units, over 90,000 m² of state-of-the-art office space, the London Designer Outlet, a new primary school as well as numerous other public buildings and a large park

Private ownership. Quintain Development was the first UK developer to install the Envac automated vacuum waste system in 2008. The first users have been connected to the system since 2008.

Roosevelt Island Development – New York

The AVAC system on the Roosevelt Island development in New York City, has over 16 residential buildings connected, and was one of the first AVAC systems in the United States. The system is owned and operated by the Roosevelt Island Operating Corporation (RIOC). RIOC was created by the government as a public benefit corporation to plan, design, develop, operate, maintain and manage the Roosevelt Island system. RIOC is self-sufficient through development revenues.

City of Helsinki

The AVAC system at the City of Helsinki spans 200 hectares to service 16,000 residents, and 6,000 workplaces. There are 350 inlet collection points, able to carry 22,000 kg of waste daily

Disneyworld Florida

Installed an AVAC system to manage litter and enhance the cleanliness of the park site.