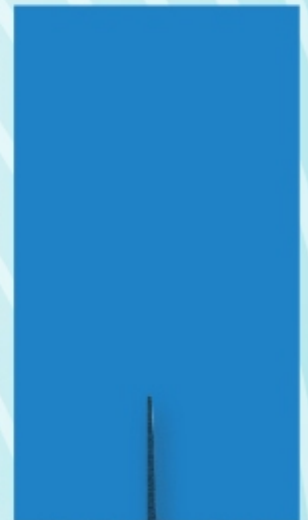




AUTOMATED WASTE COLLECTION SYSTEM



**ADDING VALUE
TO DEVELOPMENT
ACROSS THE WORLD**



"ENGINEERING A CLEANER ENVIRONMENT"



1991

Started Nexa Corporation the first Malaysian made Central Vacuum System.



1993

The brand 'STREAM' was established, representing the meaning of vacuum conveying technology for all streams of homogenous waste.



1996

Acquired by Aldes Corporation of France, Nexa Corporation renamed Nexaldes.



1999

STREAM reached its first milestone in Singapore with its own solid waste pneumatic conveying system, the AWCS*.

2017



Now renamed to STREAM Group, we are focusing on business development in expanding dealerships in ASIA countries such as India, Australia, Qatar & China.

2010



A new company named STREAM Environment was established alongside Nexaldes Group as a holding company.

2007



STREAM in the United Arab Emirates secured contracts valued over AED 400 million.

2004



STREAM became a member of AWC Berhad

2024



STREAM become the wholly-owned subsidiary of AWC Berhad. And is present in 9 countries: Malaysia, Singapore, China, UAE, Qatar, Australia, India, KSA & Indonesia

OUR VISION

To be a leading company of automated waste collection products, with focus on sustainability and innovation.

OUR MISSION

To design and manufacture eco-friendly products that contribute to a healthier environment.

MOTTO

"Quality in every aspect of the business." is the motto driven by The Management and practised by our employees.

ACCREDITATION



From the basic design of our system, we place a strong emphasis in sustainability without forfeiting quality and efficiency.

We promise to demonstrate our full commitment by complying with the **ISO 9001:2015** standard through:

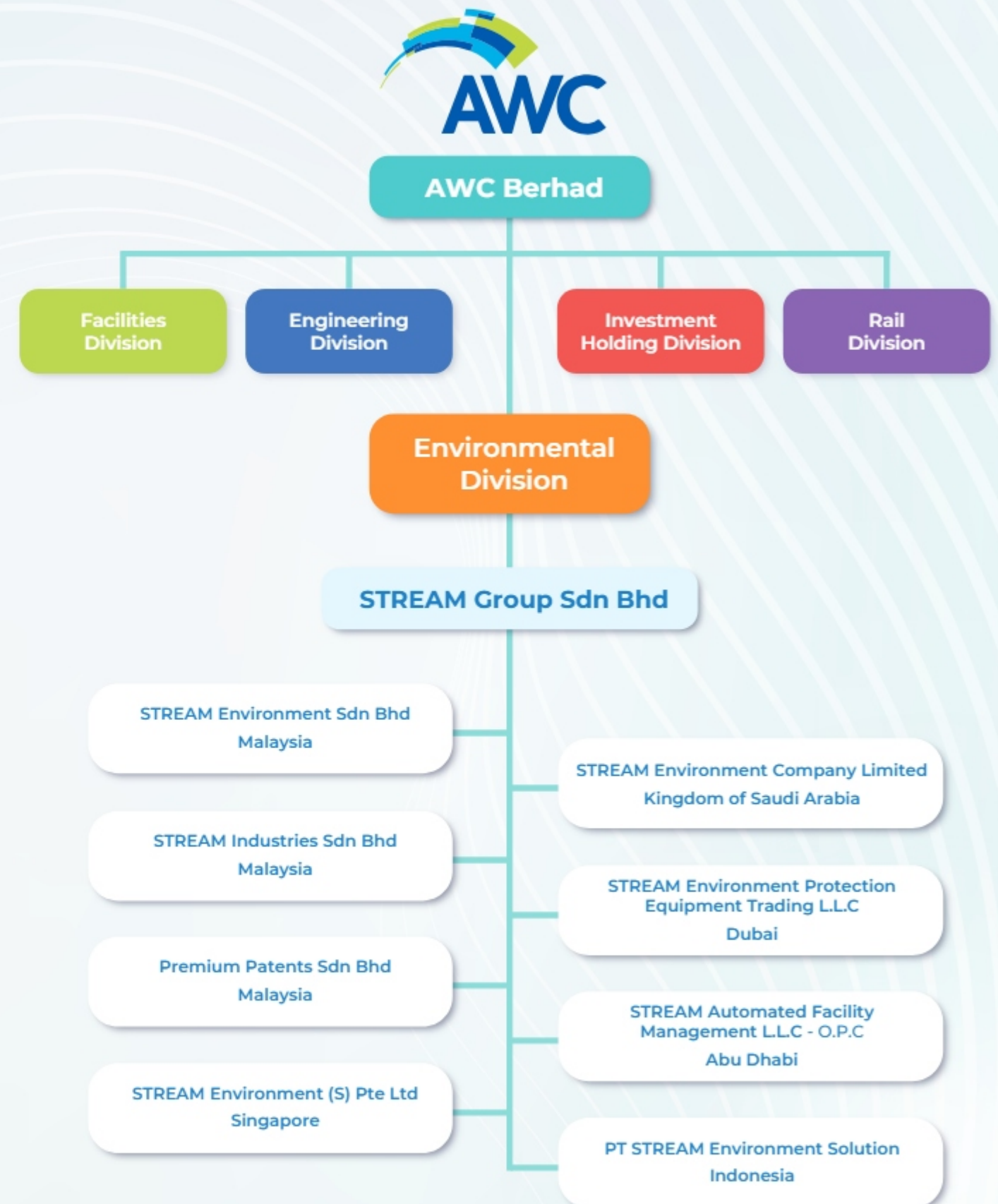
The establishment and implementation of policy, objectives, manuals and procedures.

Continuous improvement to ensure that the quality system generated is understood by all employees.

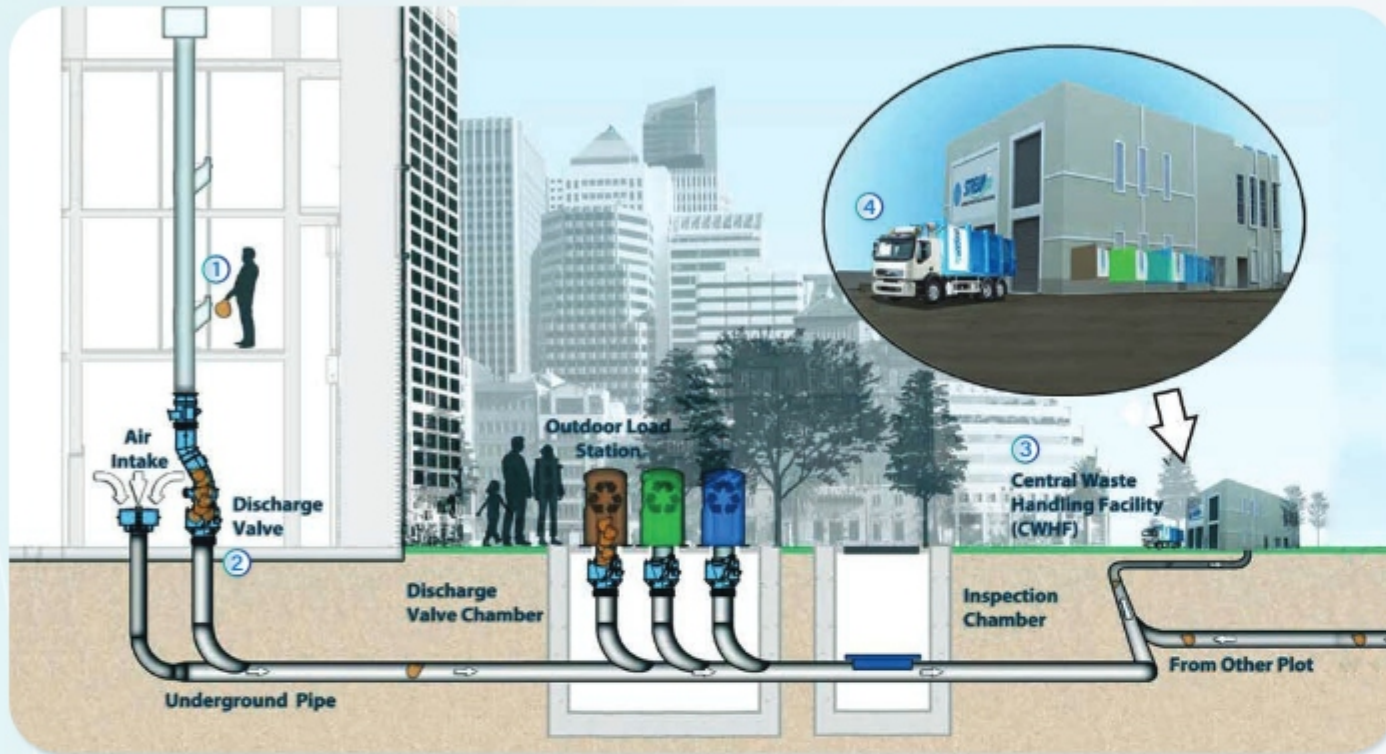
With the principle of
"OUR CUSTOMER IS OUR SUCCESS"

We strive to exceed our customer expectations and fulfill their requirements of a product of quality equipped with excellent services, quality project management and prompt delivery.

STREAM ORGANIZATION



SMARTER & SUSTAINABLE WASTE MANAGEMENT FOR EVERY DEVELOPMENT



OVERVIEW OF THE AUTOMATED WASTE COLLECTION SYSTEM

STREAM transforms waste management with its Automated Waste Collection System (AWCS). Using sealed underground network, waste is efficiently transported to a central collection point, ensuring cleaner spaces and healthier communities. Designed with flexibility in mind, AWCS adapts to suit the unique needs of any project.

1



LOAD STATION

User-friendly access points, located indoors or outdoors, where waste is disposed of and directed through chutes into the AWCS.

2



DISCHARGE VALVE

Waste drops through the chute then temporarily stored into a Discharge Valve, which periodically releases waste into the pipeline network.

3



CENTRAL WASTE HANDLING FACILITY (CWHF)

At the CWHF which houses the Vacuum Plant, waste is lastly transferred into the sealed waste containers for secure storage until collection.

4



TRUCK HAULAGE

Flatbed armroll trucks periodically transport filled waste containers to treatment facilities for processing.

STREAM is Certified By:



STREAM
AUTOMATED WASTE COLLECTION SYSTEM

STREAM offers the Automated Waste Collection Systems with our mission to serve the community.

ENVIRONMENTAL



- Encourage Waste Separation at Source
- Contribute to Green Building Tools
- Environmental Friendly
- Higher Sustainability
- More Space

REMOVE



- Eliminate Direct Waste Contact During Transport
- Eliminate Security Threats
- No Waste Spillage

REDUCE



- Lower Garbage Truck Movements in Developments
- Decrease Energy Consumption
- Lessen Labour Requirements
- Minimise Carbon Emissions
- Low Operation Costs



SYSTEMATIC

- Remote Accessible and Mobile Troubleshooting
- Automated and Sealed System
- Applicable for Retrofitting



SMART

- Big Data for Statistical Analysis
- Advanced Data Logging
- Tracks Waste Patterns
- Data-Driven Insights



IMPROVE

- Treat and Deodorise Waste Odour
- Improve Living Conditions
- Hygienic and Pest Free
- Cleaner Environment
- Enhance Ambience

BENEFITS OF STREAM SYSTEMS

TECHNOLOGIES

GRAVITY VACUUM SYSTEM (GVS)



Best Applicable for:

Residential Developments
Office Buildings
Hospitals



Firstly, the **Gravity Vacuum System** has the following features :

- Volumetric control hopper door to encourage recycling.
- Waste can be thrown by multiple users all at once.
- Uses free gravity energy at the vertical chute section.
- A temporary storage section for periodical removal of waste.

FULL VACUUM SYSTEM (FVS)



Best Applicable for:

Commercial Developments
Airports & Transport Hubs
Food Catering Centres
Hotel Theme Parks
Office Buildings
Hospitals

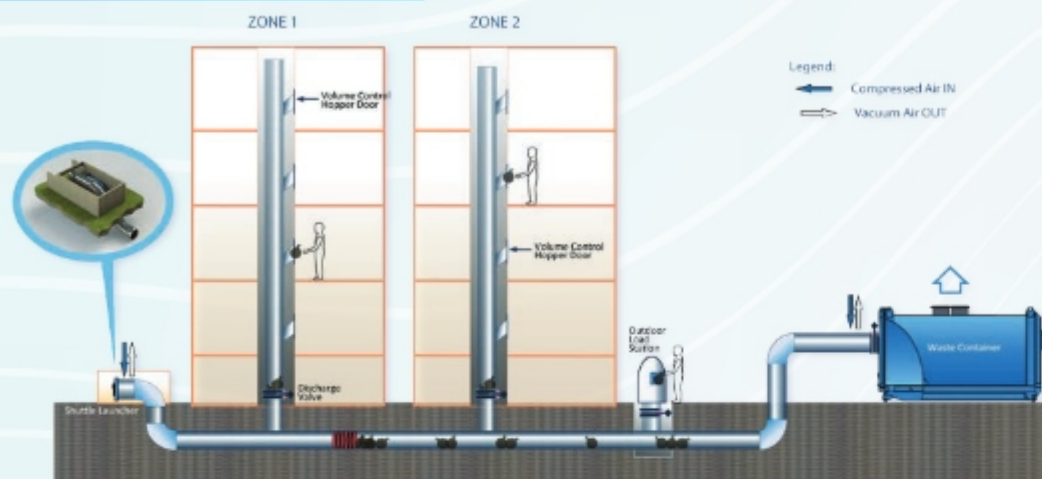
The **Full Vacuum System** comprises of the following :

- Ability to handle high volume of waste.
- Safe handling with key-operated load station.
- 24/7 accessibility.



TECHNOLOGIES

SHUTTLE VACUUM SYSTEM (SVS)



Best Applicable for:

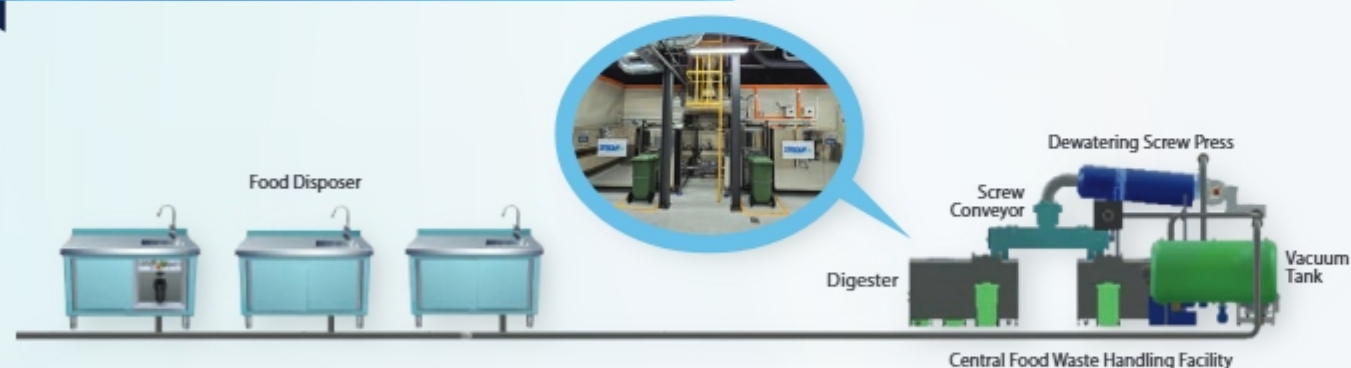
Residential Developments



STREAM's patented & award winning **Shuttle Vacuum System** :

- A compact system with a smaller footprint.
- Lower Capital Expenditure (CAPEX).
- Space frees up to valuable real estate.
- Pipe cleaning capability and lower airflow requirement facilitate longer lifespan of system.

PNEUMATIC FOOD WASTE SYSTEM (PFWS)



Best Applicable for:

Food Court
Canteen
Food & Beverage Area

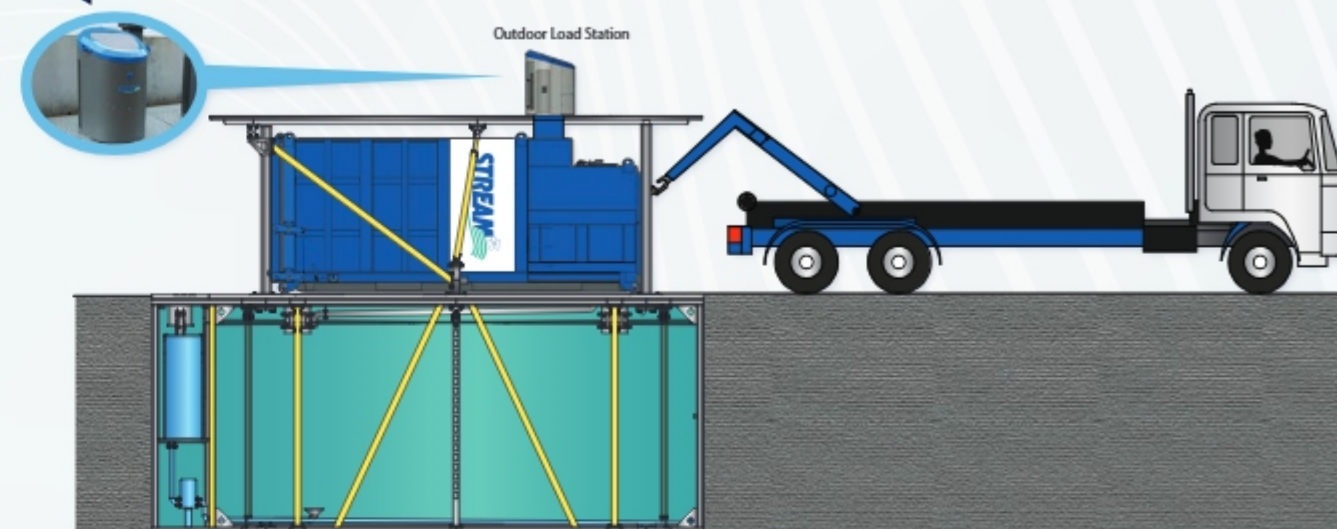


The **Pneumatic Food Waste System** is designed to transform food waste management with the following key features:

- Minimizes odors and pests through a sealed collection system.
- Eliminates cross-contamination for hygienic disposal.
- Equipped with a food disposal grinder for efficient waste refinement.
- Integrates dewatering process & digesters to produce useable organic material.



UNDERGROUND MOBILE COMPACTOR (UMC)



Best Applicable for:

Outdoor Public Squares
Amusement Parks



The **Underground Mobile Compactor** facilitates outdoor waste disposal :

- Underground storage maximizes space while reducing visual clutter.
- Reducing the need for frequent collections.
- Flexible sizing options accommodate various waste volumes and needs.

STREAM System Can Handle:



AWCS is applicable to **Smart Districts & Various Developments** Across the City.

220 RESIDENTIAL DEVELOPMENTS

From luxury condominiums to landed properties, AWCS makes residential areas cleaner and safer. Solid Waste is conveniently collected and transported via chutes and underground pipes to sealed containers. A quiet, effective and safe system that residential communities will truly appreciate.

ICON RESIDENCE



SENADA RESIDENCE



THE GLADES



BARTLEY RESIDENCE



NORMANTON PARK



PARC CLEMATIS



KHOR



LAMAR RESIDENCE



LULUAT COURTYARD RESIDENCE



TAMPINES GREEN RIDGES



Country: Singapore

Project Duration: 2015 - 2019

Type of AWCS: Gravity Vacuum System

Total Pipe Length: 2000m

Number of Fraction(s): 2

Estimated Waste/Day: 6 metric tons

STAR RESIDENCES



City/Country: Kuala Lumpur, Malaysia

Project Duration: 2016 - 2019

Type of AWCS: Hybrid System

Total Pipe Length: 626m

Number of Fraction(s): 1

Estimated Waste/Day: 6.7 metric tons

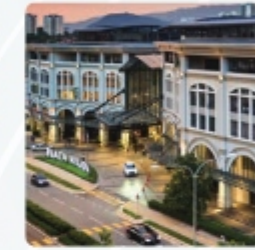
D'SARA SENTRAL



M VERTICA



PLAZA ARKADIA



IMPERIA PUTERI HARBOUR



LE QUEST



THE POIZ



BOULEVARD 88



KATONG REGENCY



AL RAHA GARDEN PLAZA



YAS MALL



The scalability of the STREAM system allows for waste to be consolidated from several buildings. AWCS is ideal for office buildings, retail parks, shopping malls, hotels and convention centres, as well as recreational and tourist parks. What makes our system more desirable is our compact system, which requires less commercial space that can be utilised for other revenue-generating purposes.

126 COMMERCIAL/MIXED DEVELOPMENTS

17 OFFICE TOWERS AND DEVELOPMENTS

A clean, garbage-free workplace fosters a conducive, stress-free environment that enhances employee productivity. This is where STREAM comes in, streamlining the process of waste disposal and keeping the environment pristine.

MERDEKA 118



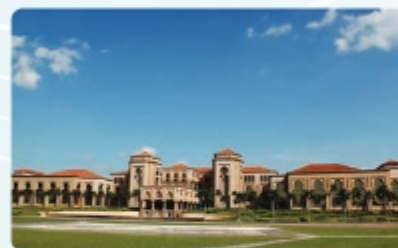
KL SENTRAL LOT E



KL ECO CITY



KOTA ISKANDAR



TNB HQ TOWER



BIOPOLIS PHASE 3



BULIM SQUARE



BARWA FINANCIAL DISTRICT



ALDAR HQ AL RAHA BEACH



City/Country: Abu Dhabi, UAE
Project Duration: 2009 - 2011
Type of AWCS: Gravity Vacuum System
Total Pipe Length: 400m
Number of Fraction(s): 2
Estimated Waste/Day: 3.4 metric tons

FOUR SEASONS PLACE KL



City/Country: Kuala Lumpur, Malaysia
Project Duration: 2015 - 2017
Type of AWCS: Hybrid System
Total Pipe Length: 796m
Number of Fraction(s): 1
Estimated Waste/Day: 3.9 metric tons

CORAL BAY



ST REGIS



THE RUMA HOTEL & RESIDENCES



MERDEKA 118



SUASANA ISKANDAR



RESORT WORLD SENTOSA



Cleanliness is a prime priority especially to tourism developments with global visitors. STREAM system not only helps to keep these places clean, it also gives a comfortable and tranquil ambience to the guest experience. Its efficiency and ease of use ensure customer satisfaction in maintaining high cleanliness standards.

9 HOTELS AND THEME PARKS

4 FOOD CATERING CENTRES

Vast quantities of waste generated from food preparation and food waste are norms in large catering kitchens, banquet kitchens and canteens. Our innovative solutions offer either the Full Vacuum System or the patented Waste Shuttle System to able transport the food waste for treatment, which in turn can be converted into renewable energy and fertiliser.

SINGAPORE IN-FLIGHT CATERING CENTRE 1 AND 2



HONG KONG CATHAY PACIFIC CATERING SERVICES II



WOODLANDS HEALTH CAMPUS

Country: Singapore
Project Duration: 2018 - 2021
Type of AWCS: Full Vacuum System
Total Pipe Length: 2,200m
Number of Fraction(s): 3
Estimated Waste/Day: 17 metric tons

CHANGI GENERAL HOSPITAL
(MEDICAL CENTRE)



GENERAL HOSPITAL H9A



INTERGRATED HUB CARE



CHANGI GENERAL HOSPITAL
(INTERGRATED BUILDING)



GENERAL HOSPITAL OCH



MOUNT ELIZABETH NOVENA



GENERAL HOSPITAL NATIONAL
CANCER CENTER



EVERGREEN SKY CATERING

Country: Chinese Taipei
Project Duration: 2016 - 2018
Type of AWCS: Full Vacuum System
Total Pipe Length: 670m
Number of Fraction(s): 1
Estimated Waste/Day: 17 metric tons



Hygiene is a key concern in the handling of medical or hazardous clinical waste. The STREAM systems are able to ensure general waste and linen are disposed in accordance to strict hygiene standards. This minimises health risks to medical staffs as well as patients, while preserving a sanitised environment.

11 HOSPITALS AND MEDICAL FACILITIES

5 TRANSPORT TERMINALS AND AIRPORTS

Waste collection poses a major security issue for administrators of transport terminals. The automated system of STREAM transport waste away from terminal buildings to a centralised collection point swiftly, quietly and safely. This eliminates the need for garbage trucks and unsightly bins in the terminal area.

TERMINAL BERSEPADU SELATAN



GOMBAK INTEGRATED TRANSPORT TERMINAL



CHANGI AIRPORT TERMINAL 3



CHANGI AIRPORT TERMINAL 4



KUALA LUMPUR INTERNATIONAL AIRPORT 2

City/Country: Selangor, Malaysia
Project Duration: 2011 - 2014
Type of AWCS: Full Vacuum System
Total Pipe Length: 4000m
Number of Fraction(s): 1
Estimated Waste/Day: 30 metric tons

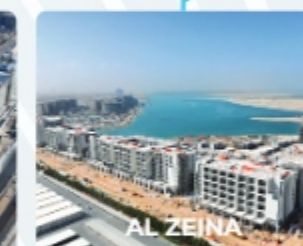
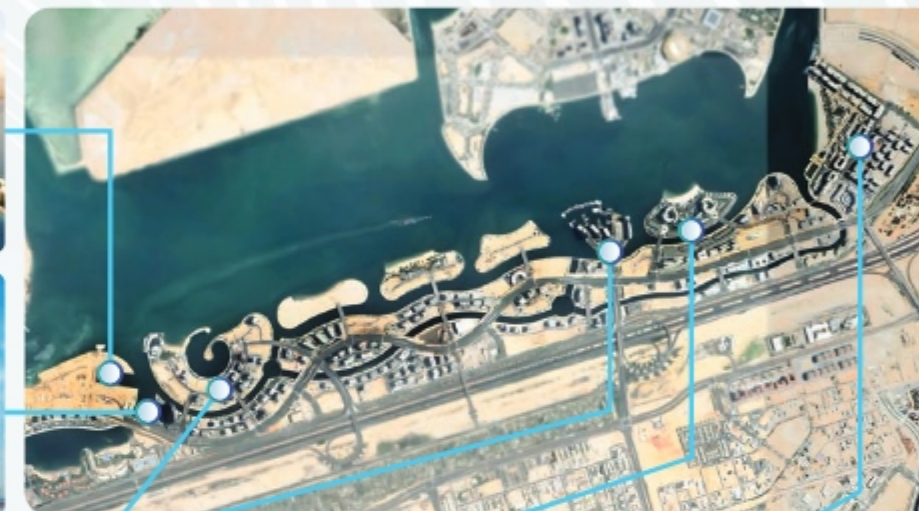


NOIDA SMART CITY



City/Country: Noida, India
Project Duration: 2016 - 2019
Type of AWCS: Hybrid System
Total Pipe Length: 10,000m
Number of Fraction(s): 1
Estimated Waste/Day: 60 metric tons

AL RAHA



ASPEN VISION CITY



AL REEM ISLAND



Information and Technology - When incorporated into a city greatly evaluates the quality of life; taking into account the welfare of its citizens and governance. Hence, STREAM provides a smarter form of sustainable and efficient waste management to aid in consolidating the rapid urban development of the 21st century.

4 SMART DISTRICTS/ CITIES

STREAM OFFICES ●
LOCAL REPRESENTATIVES ●



>350 NO. OF PROJECTS
WORLDWIDE

UNITED ARAB EMIRATES OFFICE

STREAM AUTOMATED FACILITY MANAGEMENT L.L.C - O.P.C (ABU DHABI)

P.O. Box 46443, Behind Safeer Mall,
Plot C-46, Musaffah, Shabiya 9,
Abu Dhabi, United Arab Emirates.

Tel : +971 2 643 2726

Fax : +971 2 643 2969

STREAM ENVIRONMENT PROTECTION EQUIPMENT TRADING L.L.C (DUBAI)

P.O. Box 18965, Business Gate Center,
Ibn Battuta Gate Offices, Jebel Ali,
Dubai, United Arab Emirates.

Tel : +971 4 550 7854

Fax : +971 4 550 7801

KINGDOM OF SAUDI ARABIA OFFICE

STREAM ENVIRONMENT COMPANY LIMITED

Office no. C 13 & 14, Super Office, 7783,
Ibn Katheer Street, 4264, Al Sulaymaniyah Dist,
Postal Code 12233, Riyadh, Kingdom of Saudi Arabia.

Tel : +966 50 084 0162

MALAYSIA OFFICE

STREAM GROUP SDN. BHD. (HQ) STREAM ENVIRONMENT SDN. BHD.

11, Jalan Sungai Besi Indah 5/2,
Taman Sungai Besi Indah,
43300 Seri Kembangan,
Selangor Darul Ehsan, Malaysia.

Tel : +60 3 8941 8118

STREAM INDUSTRIES SDN. BHD.

PT 58854, Jalan KP8 3,
Kawasan Perindustrian,
Kampung Baru Balakong,
43300 Seri Kembangan,
Selangor Darul Ehsan, Malaysia.

Tel : +60 3 8941 8118

Fax : +60 3 8964 9800

SINGAPORE OFFICE

STREAM ENVIRONMENT (S) PTE. LTD.

Block 9002, Tampines Street 93#02-38,
Singapore 528836.

Tel : +65 6848 4366

Fax : +65 6783 2680

INDONESIA OFFICE

PT STREAM ENVIRONMENT SOLUTION

Tokopedia Care Tower Ciputra International,
Lt. 17 Unit 2 & 5 Jl. Lingkar Luar Barat No. 101,
Desa/Kelurahan Rawa Buaya Kec. Cengkareng,
Kota Adm, Jakarta Barat, Provinsi DKI Jakarta,
Kode Pos: 11740

Tel : +620 852 8349 2902



www.stream-environment.com

info@stream-environment.com

