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## BEC Jockey Club Intelligent Resource Management Programme

### Background

According to the government's Hong Kong Blueprint for Sustainable Use of Resources 2013-2022, Hong Kong ranks top cities in terms of daily municipal solid waste generation per capita. Amid the implementation of different waste-related policies and action plans by the government, Hong Kong needs a benchmarking reference of disposal waste and recyclables for different building types to establish a fair mechanism for the waste charging scheme. This will fill in the missing gaps to inform future waste reduction strategy.

In order to establish the first-ever benchmarking reference of waste reduction and recycling, and assist the government in evaluating the effectiveness of waste-related policies, Business Environment Council ("BEC") launched the 3-year BEC Jockey Club Intelligent Resource Management Programme (the Programme) in August 2018 which will set up a smart waste monitoring system at 200 participating primary and secondary schools, commercial office buildings and private housing estates in town to collect waste and recyclables data using cloud technology and implement education activities. The Programme is funded by The Hong Kong Jockey Club Charities Trust.

### Objectives

1. Cultivate "Dump Less, Save More" culture in the wider community;
2. Educate and mobilise the industry practitioners and the younger generations on waste reduction and clean recycling;
3. Establish a continuous waste and recyclables data collection and monitoring system in different building types;
4. Set up a benchmarking reference comprising waste data from the schools, office buildings and residential buildings; and
5. Assist the government in evaluating the performance of waste-related policies and action plans.

### Programme Duration

3 years (August 2018 to July 2021)

### Target Participants

- 200 local premises including primary and secondary schools, commercial office buildings and private housing estates

### Programme Outline

The Programme consists of two parts. The first part involves implementation of a smart waste management system and data analysis. BEC will install a waste measurement system with RFID technology at participating premises and waste and recyclables data will be transmitted to the cloud platform daily. Data will be collected to calculate the waste intensity (i.e. amount of waste produced per capita) and recycling rate (i.e. percentage of recyclables collected out of total waste). BEC will also develop a publicly accessible waste and resource recycling benchmark tool

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so that interested parties can easily understand their waste performance compared with their counterparts.



Smart Waste Management System

The second part of the Programme is waste reduction and recycling education. BEC will help enhance the recycling facilities of the participants, conduct waste audits, develop a waste audit methodology guide to provide a useful reference for the buildings and various education activities including promotional booths, Green Drama Show, Mobile Green Classroom, training workshops and seminars. Best practices of outstanding premises will be shared among participants.

### **Benefits of Participation**

By taking part in the Programme, participants can:

1. Receive free waste weighing equipment and associated training, which will provide useful data on the total daily waste quantity of the whole building;
2. Obtain benchmarking information of the participating premises for monitoring their performance on waste generation and recycling;
3. Estimate their cost on waste charging by installation of the waste weighing system, and identify opportunities for waste reduction and thus save cost on future waste charging;
4. Improve the waste management skills and knowledge of their cleaning workers and recyclers ;
5. Cultivate the concept of waste reduction and clean recycling among the school's students; and
6. Receive recognition for premises with good performance.

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These schools and buildings are welcome to join the Programme:

1. Primary and secondary schools, commercial office buildings and private housing estates with a centralised refuse collection point; and
2. Buildings without large catering outlets/restaurants/significant proportion of retail shops.

For more information, please contact Ms Doris Chan at T. 2784 3975 | E. [dorischan@bec.org.hk](mailto:dorischan@bec.org.hk).

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