

保良局何蔭棠中學 Po Leung Kuk Celine Ho Yam Tong College

隊名 Team Name :

Fanatic

原型方案名稱 Prototype Name :

D-food

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環境衛生 ENVIRONMENT AND HYGIENE

由於九龍城區內有很多超級市場和餐廳，以致食物浪費成為最大的問題。D-food機器以減少廚餘為目標，同時希望減少因而衍生的鼠患、蒼蠅滿佈等環境問題。

此機器利用應用化學和生物科學等技術原理設計，一方面減少視覺及環境污染，避免影響市容，另一方面在收集廚餘後把其轉化為有機肥料，用於綠化社區。此機器項目不但能夠幫助居民、街道清潔者和行人，更能改善環境，向市民宣揚良好的環保意識。

With multiple wet markets, different restaurants and food stores located in the Kowloon City District, disposal of food waste on the streets is a common phenomenon. The D-food machine we are planning to build is designed for massive distribution within the district which will be placed at multiple locations. With knowledge of chemistry, biotechnology and machinery, the machines can contain food waste promptly. Therefore, stinking and visual pollution caused by food wastes can be prevented. The chance of insects and rats attracted to the substances of food waste will also be lowered. The D-food machine also recycles food waste into organic fertilizer (compost).

Compost created will be used for greening within the district, especially while planning and redeveloping old areas and buildings. This project contributes positively on different groups of people in the community including cleaners, residents, pedestrians and land use planners.

