

聖嘉勒女書院 St. Clare's Girls' School

隊名
Team Name :

社區整齊
BE NEAT

原型方案名稱
Prototype Name :

智能垃圾
REC-Bin



環境衛生
ENVIRONMENT
AND HYGIENE

隊員 :

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九龍城違法棄置垃圾問題嚴重，亦因而引致各類衛生問題。為了解決這問題，獨特設計的另類垃圾桶將鼓勵和方便人們棄置垃圾於垃圾桶內。由於普遍垃圾桶的數量和容量不足，加上設計不適合更大型的垃圾，人們因而經常把垃圾隨手扔在地上。為了方便市民需要，智能垃圾桶的設計為附有太陽能板的環保智能垃圾桶，並會沿着軌道自動行走。智能垃圾桶內更設置了壓縮機，在垃圾桶滿載時壓縮垃圾，從而省略空間和增加垃圾桶容量。此方案因此將能減少市民亂棄垃圾的機會，提高社區衛生質素。

We have chosen to solve the problems of illegal dumping of rubbish. Since the problem is closely related to the existing rubbish bins in Hong Kong, we designed a new rubbish bin to make littering easier and more convenient for citizens. The main reasons for people illegally littering are the inadequate number and the insufficient capacity of rubbish bins. To bring convenience to citizens, this prototype will follow a route and will move on its own. We will also add a compressing machine in the rubbish bin to increase its capacity and space, so that people will not illegally dump rubbish next to the bins. Once the rubbish is full, it will automatically compress the rubbish.

