

佳作

Honorable Mention

Bird Hotel城市鳥類休息站

Bird Hotel-City Resting Stop for Birds

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隨著生態保育的概念崛起，都市中的綠地成為許多鳥類的新家，然而你是否曾注意過他們是什麼鳥？

研究發現，都市中74%的鳥類都住在綠地，而會在街道上出沒的，卻僅有麻雀、斑鳩等，極少數對環境適應力極高的物種。其餘鳥類進入都市後，便被侷限在不到5%的綠地之內，族群逐漸消亡。

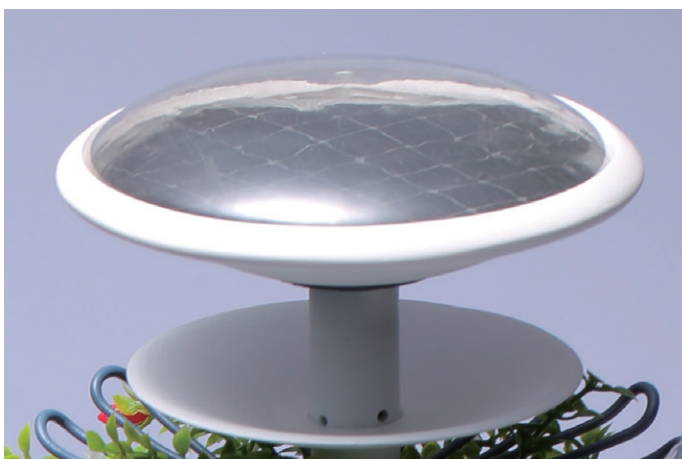
Bird Hotel利用生物廊道的概念，連接綠地與綠地之間的道路，使綠帶得以延伸，並作為鳥類在城市中移動的停駐點。

結合路燈，我們選定車輛稀少的路段為設立地點，減少車輛對鳥類的驚擾；並根據鳥類的棲地屬性，以小型植物在高處打造具有遮蔽效果的休憩處；透過提供飲水、食物與棲息地，吸引鳥類離開原本綠地，在都市中擴展族群。

Urban green area has become a new habitation for many birds. But did anyone pay attention to their existence?

Due to the recent study, 74% of the birds living in the city inhabit in the green area. The only birds that appears on the street are only the ones with high adaptability to environments like sparrows or turtledoves. The rest of the birds will gradually disappear due to the limited living area in the greenbelt, which only occupies 5% of the urban land.

The design of Bird Hotel is inspired by the idea of wildlife corridor. The corridors will connect the green areas together and extend the range of the green area in the city, providing the birds with more resting stops between buildings and streets. The bird hotels are set at quiet locations in order prevent the birds from being scared by cars. According to different traits of the birds' habitat, plants are grown on the Bird Hotel to create resting areas with shade. Through providing water, foods and appropriate habitats by Bird Hotel, the numbers of birds living in the city will increase.



根據鳥類的棲地屬性，以小型植物在高處打造具有遮蔽效果的休憩處吸引鳥類在都市中擴展族群。

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2021

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自動點滅器偵測環境亮度，
於入夜時，點亮燈源。

排水口
於注水初段開啟，
將盤內髒污沖除。

植栽區
種植具有
引鳥功能的植物。

土壤濕度計根據土壤濕度，
判斷植栽是否澆水。

太陽能板
利用太陽能產生運水
及燈光所需的電力。

光電液位開關
當水位降至液位開關以下，
將進行注水，補充水源。

棲架提供植物成長支撐，
並作為鳥類站立處。
落下的鳥糞會落入植栽區，
做為植物的肥料。

植栽排水層

Photo Controller
Detects the brightness of
the environment and
lights up the light source
at night.

Relief Outlet
Open at the beginning of
the water injection, and
remove the dirt from the
plate.

Planted Area
Planting plants that
attract birds.

Soil Hygograph
Water the plants accord-
ing to soil humidity.

Solar Panel
Use solar energy to gener-
ate the electricity needed
to carry water and light.

Optical Level Switch
When the water level drops
below level switch, the
water will be replenished.

Perches
Support plants growth and
serve as a stand for birds.
into the planted area as
fertilizer for the plant.

Plant drainage layer