

Sustainability Design Competition 2018

re-think the prolific use of disposable take-away containers



TEMASEK
POLYTECHNIC

Geraldine Tong Xin Yin
Jose Raphael Ramirez

PAKTO

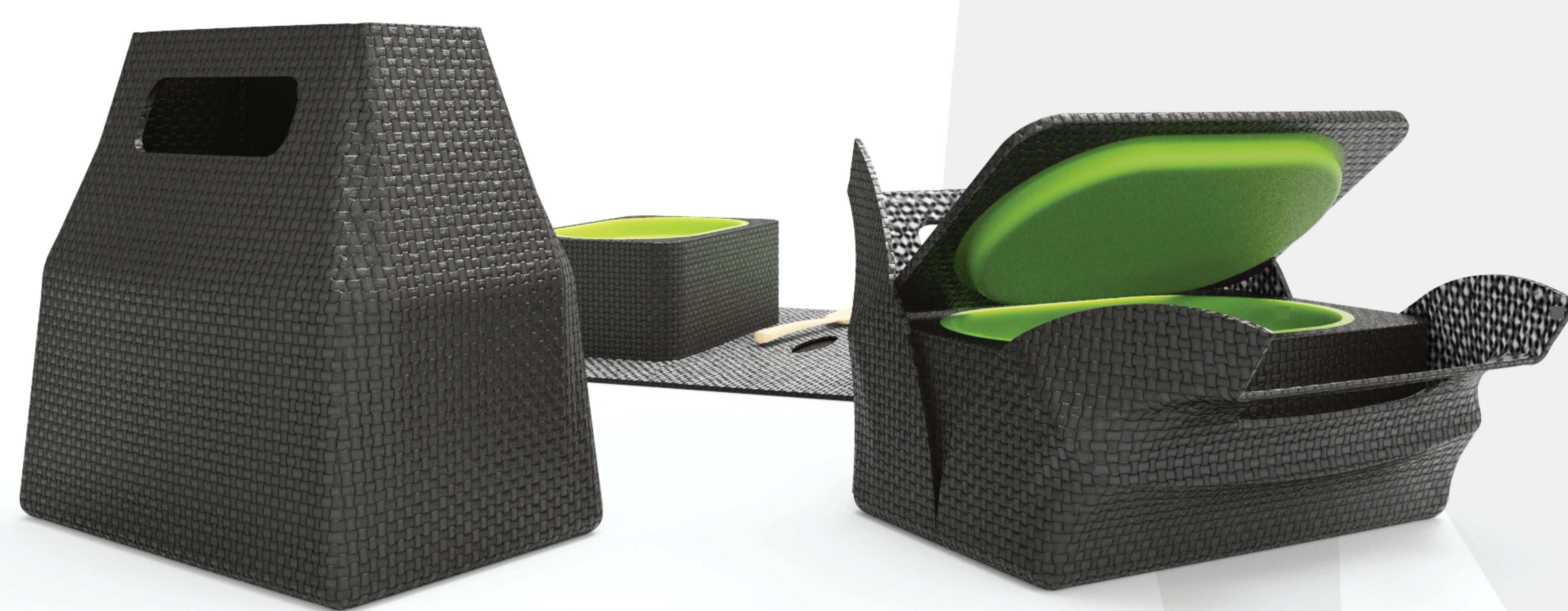
An eco-friendly food takeaway experience



'PAKTO' meaning compact in latin, we wanted to make a sleek multifunctional bag. It includes a non-toxic food safe silicone container that securely stores food.

To create even more space, the food compartment can be compressed when not in use, while maintaining an appearance of a fashionable sling bag.

The bag will be made from reusable and waterproof Polypropylene material which is machined woven with pockets and slits to store cutlery and small miscellaneous items.



Our main target consumer: Office workers

-Research has found that office workers prefer quick takeout food from cafes, fast-food chains

The usage of disposable plastic takeaways has become a repeated for takeaway options.

-Amongst 815,200 tonnes of plastics waste in Singapore, only 6% were being recycled in 2017.

-The disposables used in takeaway food and for dining-in accounted for more than one-tenth of all plastic, paper and cardboard waste produced by Singaporeans last year.

-Toxic compounds found in plastics can cause health problems like cancer and infertility.