

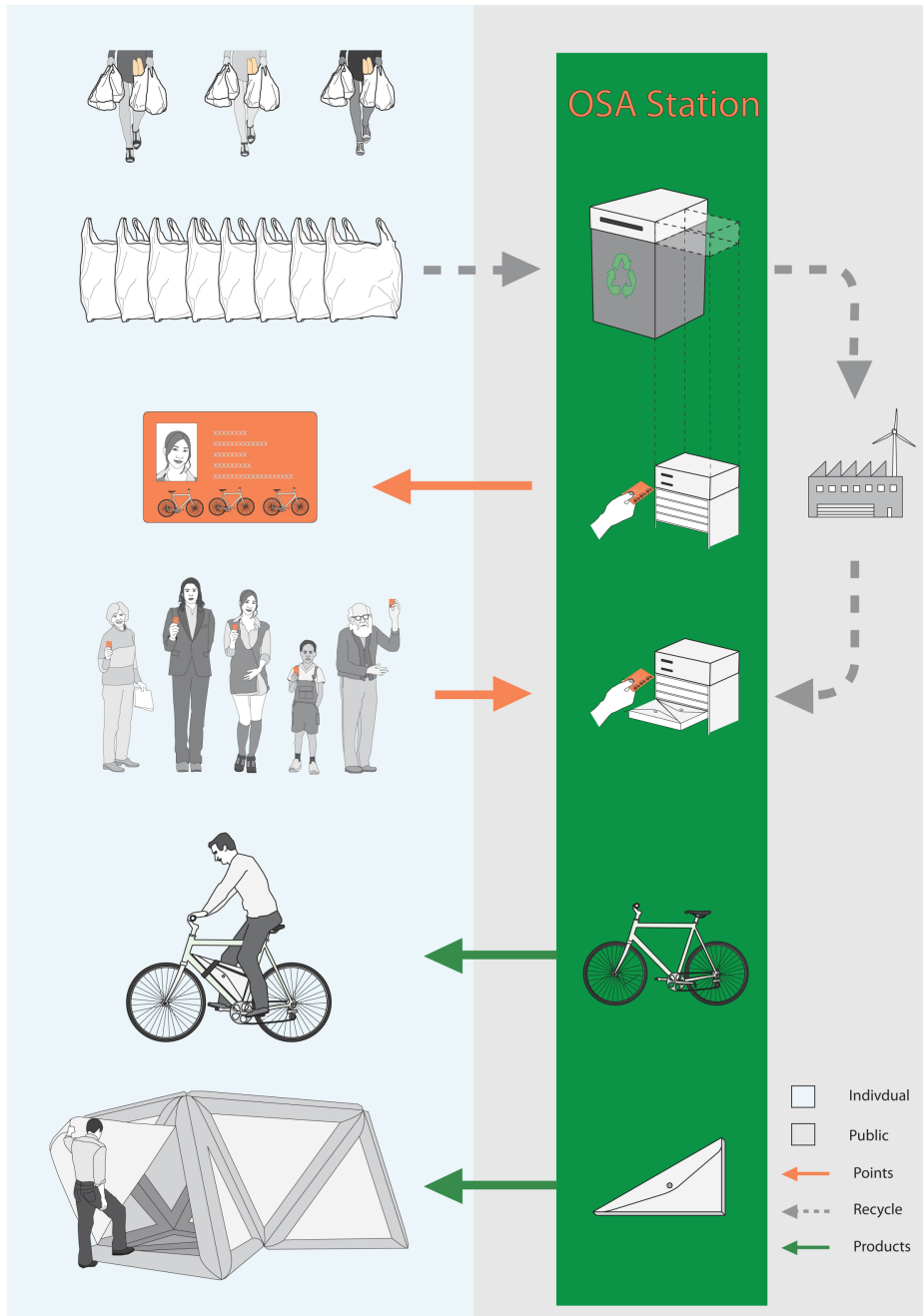
# OPEN SOURCE ARCHITECTURE (OSA)

Open Source Architecture (OSA) is an urban programme that enables communities to directly influence the built environment they live in. Action at community level is becoming increasingly important. Our scheme proposes a framework for the production and transportation of temporary mobile multi-purpose units. These units can be instantly deployed to any location at any time and then supplied with local products.

The units use air construction. The proposed small-scale inflatable buildings are made of the most common urban waste product - plastic bags. The construction itself imposes many benefits: it can be reused many times, it is lightweight and easily transportable, it can be installed and maintained without damage to the environment.

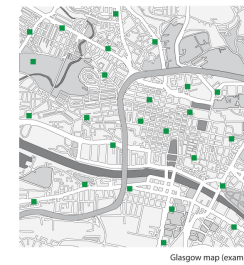
The inflatable units form a symbiotic relationship with the urban texture like mushrooms on a tree. The instant and mobile nature of the construction enables rapid placement of the inflatable units influencing transport patterns.

Shortening travel distance virtually makes urban areas denser and more energy efficient, promoting walking and shopping. Small-scale units can be installed in the park, in a parking space, in or on existing buildings. Thus housing areas turn into mixed-use neighbourhoods, while local products can reach local people. OSA enables communities to organise markets and community members or the producers to become merchants at any time, anywhere.



## Recycling System

The OSA programme relies on the idea that community based architecture should gain its materials from waste products. Therefore a special emphasis is needed on an effective selective material collection and recycling scheme. A possible way of encouraging and rewarding users could include points gained from recycling that can purchase units or bike rental.



## OSA Station

In this recycling scheme OSA Stations could manage the recycling scheme as well as store building materials and bicycles. These machines would be placed in community centres, densely so that they are within walking distance from residential areas. People could access all services provided by a swipe card that contains the reward points.

## Plan & Section

