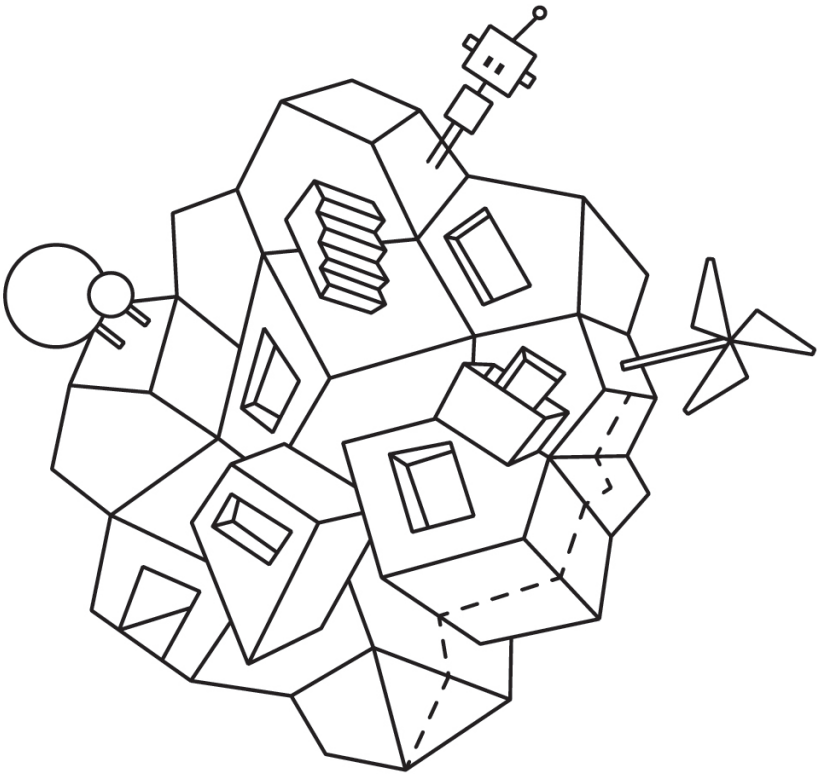


Superscape

2018

JP architektur perspektiven

Abstract

The Permanently Temporary in the age of gravity-independent architecture

Viktória Sándor, Vienna (AT)

”There must be alternatives to what we have learned to think knowing.”
Andrea Börner

The project investigates the future of urban environments using Vienna (Austria) as a case study. It proposes a new ephemeral infrastructure, which by providing climatically controlled temporary spaces for the city, increases its dynamism, adaptivity, and capacity.
By the introduction of such ephemeral spatial system, the project aims to visualize potential solutions for emerging issues due to 1) climate change; 2) population growth in urban environments; 3) and the “urban scissors-effect” (=increasing contrast between the rigidity of the built environment and the rising importance of the notion of temporality in everyday life).

The vision is based on
Hypothesis 1: If architecture could be ephemeral and adaptive, the existing city volume could be programmed more efficiently by the activation of its time-dependent snooze-zones. The resulting shift in the urban pattern would support the intensification of the city and the establishment of a new social contract;

Hypothesis 2: If the building elements of ephemeral architecture could fly and self-organize according to the spatial demands, the urban space transformation could become smooth and fluent.

The utopian vision is developed upon a multi-dimensional timeline which allows evolutionary explorations of new, ‘permanently temporary’ infrastructural interventions and their speculative impacts on urban dynamics.

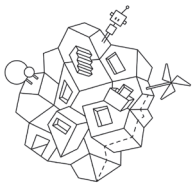
Stage 1 - Today: The project assumes that unmanned aerial vehicles become not only supports in building fabrication processes (builders) but also active building elements of short-lived structures in order to decrease the duration of the construction, transformation and deconstruction of climatically controlled temporary spaces. The exploitation

of these aerial vehicles in architecture will lead to the design of „drones of tomorrow."

Stage 2 - Tomorrow: The project proposes a new design for the unmanned omnicopter (Eth Zürich research project by Raffaello D'Andrea), and names it: FLIBRI.
Flibries ("flying brick"; drones of tomorrow) can generate and store energy, radiate heat, supply and reflect light and by that create specific micro-climates to provide optimal qualities for new functions to appear at locations it could not have before.

Stage 3 - After Tomorrow: The integration of the Flibri-system (Flibiri flocks) into the urban volume is visualized (hypothesized) in 4 evolutionary steps. The project narrative emphasises the changing relationship between the existing, static urban fabric (hardscape) and the new Flibri-System (softscape), while it highlights the altering goals of the new infrastructure and its level of influence on urban dynamics:

1)The Basics: detached Flibri-flock operation for existing interior and exterior quality improvements,
2)The Event: physically connected space-reactivation,
3)The Playground: construction of new static structures to provide space for flock experiments
4)The New Ground: hard- and softscape equalization period



Superscape
2018
JP architektur perspektiven

About

Initiator:
JP IMMOBILIEN, www.jpi.at

Press contact:
Catharina Cramer
art:phalanx
Kultur & Urbanität

Tel: +43 (0)1 524 98 03 - 27
press@superscape.at

Concept & project realisation:
art: phalanx
Kultur & Urbanität
www.artphalanx.at

Design:
im Kollektiv für Kommunikation
und Gestaltung, www.imkollektiv.at

Further information and concept excerpts are available for download at www.superscape.at.