

EXERCISE 03

Prototype

Definition Prototypes

Prototypes are new concepts, ideas and innovative projects that enable the reorganization of existing processes and the initiation of new ones. This year, we will develop and design prototypes that reflect the vision of a “start-up city” as Berlin’s potential for a future Smart City. So, you are asked **to create a smart space, smart system or smart process** that will base on your knowledge of the start-up scene in Berlin.

Exercise 3 > Prototype

In the third exercise we will design a Prototype based on **at least 2** Operational Fields [OF]. A selection of processes analyzed in the Operational Fields will be combined and amplified in order to develop a Prototype. On the basis of Mini Scenarios [MS] and Operational Field [OF], an idea is formed that indicate demands and opportunities in our urban environment and city system. A hybrid novel idea can be put forward in a form of a Prototype that addresses many problems at the same time. For example, a Prototype would be a smart public space that in addition to being a public space caters for social inclusion between local population and government and creates energy for sustainable development of adjacent real-estate. The following questions need to be focused on:

1. What are the interrelations between Miniscenarios [MS], Operational Fields [OF] and Prototypes [PT]?
2. How can the combination of processes lead to a Prototype reflecting start-up activities?
3. How does your Prototype support Berlin’s development to become a Smart City in the future?

Studio Work

All group needs to adjust their Miniscenarios [MS] and Operational Fields [OF] according to the feedback of the selected group presentations and upload them (according to upload schedule). The designs of the Prototypes [PT] need to be uploaded online as well. Further information will be given on **Thursday, the 24th at 10 am, BRAINBOX A 816.**

Tasks of Week 2

Every group works on the design of one Prototype and draws up plans and sections, as well as a close-up perspective or a bird's eye view – depending on the theme. Graphs and diagrams will be used to demonstrate the behavior of the Prototype within Berlin's urban system. All elements [MS, OF, PT] need to be printed out as cards – according to the online template – as Scenario Game preparation on Wednesday, 30th October 2013.

Deliverables and Presentation

0. Redefine and evolve Operational Fields and upload online again.

1. Develop a **concept** for a prototype including:

- A **diagram** that shows how the Prototype is organized and how it connects the [OF] developed in advance
- A **diagram or graph** that shows how the [PT] contributes to Berlin as Smart City.
- **Plans** and **sections** of the prototype (scale according to concept)
- Two **perspectives** of the prototype (one close up, one further away)

0. Upload all material defining the Prototype onto the Urban Gallery website until **Tuesday, 29.10.13** (following upload-schedule).

1. Print-out all elements [MS, OF, PT] as **cards** following the template from the Urban Gallery under "studio material". THE SIZE IS A6. THE PAPER IS 200g.

Each group needs to print 19 cards:

- 15 MS cards
- 3x OF cards
- 1x PT cards

PLEASE NOTE:

The **Urban Gallery Reader** (methodology) and studio material (including tasks and templates) can be found online:

<http://urban-gallery.net/scib/>