Como está, Campanhã?

Waiting for the new economy?

Campanha is a diverse neighbourhood in the North-East of Porto. Located directly next to the same-named train station. This district has been and still is one of the underdeveloped peighbourhoods of the city.

The municipality of Porto yet published a masterplan with strategic vision for this neighbourhood. A new street should improve the lacking connectivity of the plot, and 10.000 sqn of space of for new economy can be added

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Diversity in Use

From a car repair shop, to a café and industrial craftsmans hip - most of the uses are within the service section, bottom up and initiated by people from the neighbourhood Self-employment in family-owned businesses is probably the main income for most people.

Informal Developments

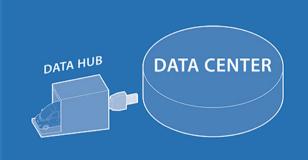
The typology is changing within the neighbourhood. Next to small houses with a nearly historical face, apartment buildings with balconies were added.

Ilhas, years ago still informal settlements that were first a garden extension with a shed, became informal micro-sett lements inside the neighbourhood and are now renovated and been rent out as Air'n'b to tourists.

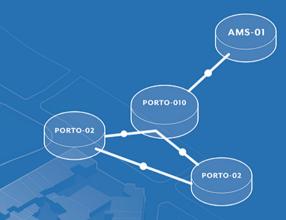
Via side streets they can be accessed, and after passing ar open gate you find yourself all of the sudden inside a parking garage.

The actual center of the plot is not accessible due to the high differences of the area. Fences and walls are closing off the private terrain of the school or vacant industrial buildings. Only a few small paths allow to cross the green space inside the area.

CHECK POSSIBLE SOLUTIONS



Mobile Data Hubs is a new introducted concept from oversee. Companies like Amazon run side-business of portable data storages in trucks, that can upload data from companies und download them inside massive data cen-



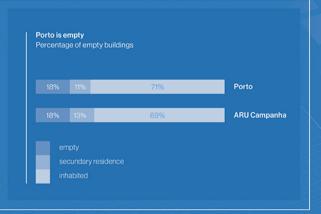
A data center can be a catalyst innovative economy. A network of data facilities can help an area to develop towards a

DATA CENTER

e heat of data centers be a solution for the

iting system in Campanha?

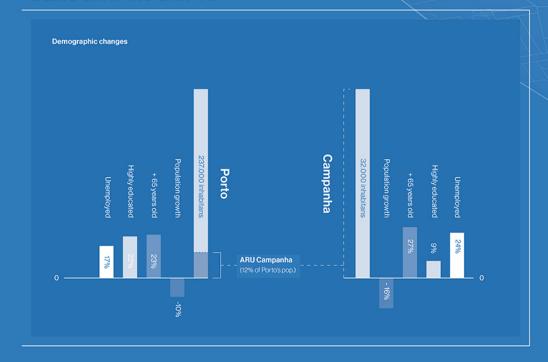
PORTO IS EMPTY



BUILDINGS ARE AGING



DEMOGRAPHIC SHIFTS



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unlikely to be seen here, b

Campanha discovered it's

in the market of AirB'n'B,

Ilhas got renovated and out as apartments for sh

quests.

Rules of buildings have been chan ged, and so the skyline of Cam panha consists of small ilhas inbet





PORTO-010

With a Data Center to a circular Neighbourhood

Everything is starting with the necessities, so the infrastructure. Like planned by the municipality of Porto, a new shortcut will the added inside the plot.

The twist: to integrate it with the underground data center, its going to be partly underground. More space for the residence and for new economy.

Existing infrastructures are getting reused. 1 0 1 0 1 0 1 0 1 0 mantaining the data mobile. It's a service, that already exists in the

On the plot of the former supermarket the building getsreplaced by a service center for the data trucks, including office space for design and research.

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On the other end of the underground shortcult and vacant plot gets of open of open of the nardware for the data centers are going to be professional the hardware for the data centers are going to be professional the neighbourhood.

An island for new economy: In the middle of the plot three buildings are added. Two towers and a integrated bioingeneering center. The clue - the two little streams are renatured and the buildings are following the water. Connecting work and recreating.

A new terrace for the school, extending the public space of the building and connecting it to the neighbourhood.

On the top of the data center crops and grass can be cultivated even in late autumn. Pioneers like SKREI Architects can motivate residents to harvest and reuse the materials for isolating and existing their homes. In the end everyone is benefiting from the data center.

The data center is sharing its waste energy with the neighbourhood. Every kind of this facility produces an enormous amount of heat when servers are running. With a water pump and natural water (from the streams) the servers can be cooled and the heat be transported to the households.

It's summer and no neating is needed? Then the energy can be used forcaqua farming in the glass house or the control of the servers can be used forcaqua farming in the glass house or the control of t

