

MINISTERIE VAN MAAK

HOW TO BUILD 10.000 SUSTAINABLE HOUSES IN ARNHEM

assignment model for exhibition of Ministerie van Maak on how to build 10.000 sustainable houses in Arnhem **location** Arnhem, The Netherlands **size** 2 x 2 km **client** Ministerie van Maak, IABR **status** finished **team** Martin Sobota, Piotr Kalbarczyk, Anais le Grand, Annika Brammer, Edoardo Facchinelli, Jona Fani, Nele Wantia, Owen Simons **cooperation** xxx

The Dutch government aims to address housing shortages by creating 1 million extra houses by 2030. Ministerie van Maak organized an exhibition during the International Architecture Biennale Rotterdam, showcasing 100 models that offer solutions for sustainable housing construction. CITYFÖRSTER was one of the selected studios to conduct research into the development of 10,000 climate-proof homes within their 2 x 2 km area: the City of Arnhem.

Our proposal is based on two main strategies:
Former industrial areas are the favourite location for inner city developments. The new housing developments would be realized close to existing roads and transport and urban sprawl can be prevented. We suggest smaller scale infill into industrial areas at underused spaces such as parking and expansion areas and to make new connections to the river's floodplains.

The other large potential to add quality by densification is in the low-rise neighbourhoods. Built in the 60's and 70's these areas are at the end of their first lifecycle. We can add some apartment blocks, diversifying the housing stock and the existing rowhouses could easily be topped-up with an extra layer. This creates both more housing opportunities and diverse neighbourhoods and is also an investment opportunity creating wealth on a small scale.

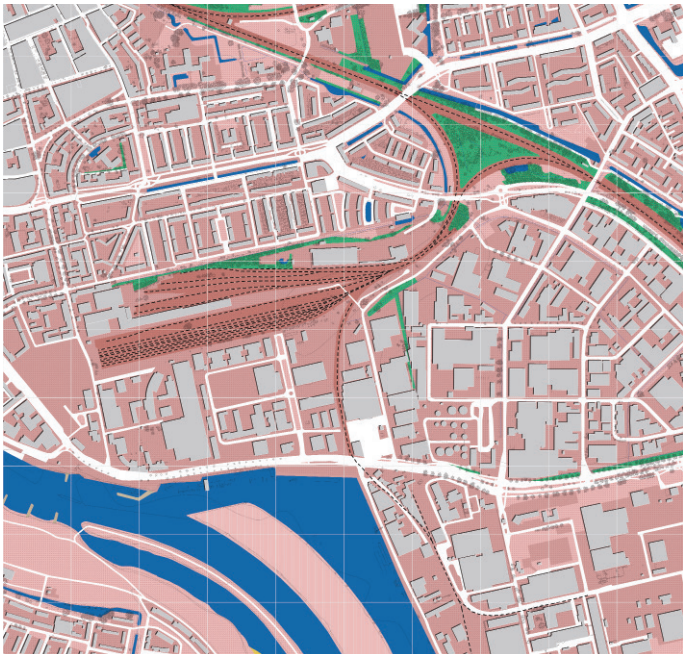
Both of our strategies use the 10.000 houses not as a problem that needs to be solved, but as an opportunity to improve an existing city.



Piotr Kalbarczyk explaining the model during visit Youssef Louakili, Director Media & Creative Industries, Ministry of OCW. Credits: IABR, Jacqueline Fuijkschot.



Overview of the exhibition by Ministerie van Maak and IABR. Credits: IABR, Paul Swagerman.



Map of our area: Arnhem.



Top view of CITYFÖRSTER's Model.



Close-up of the model. Credits: IABR, Jacqueline Fuijkschot.