

Pixel+ Urban Community

Nordhavnen København

Cooperative Masterthesis WS 2013/2014

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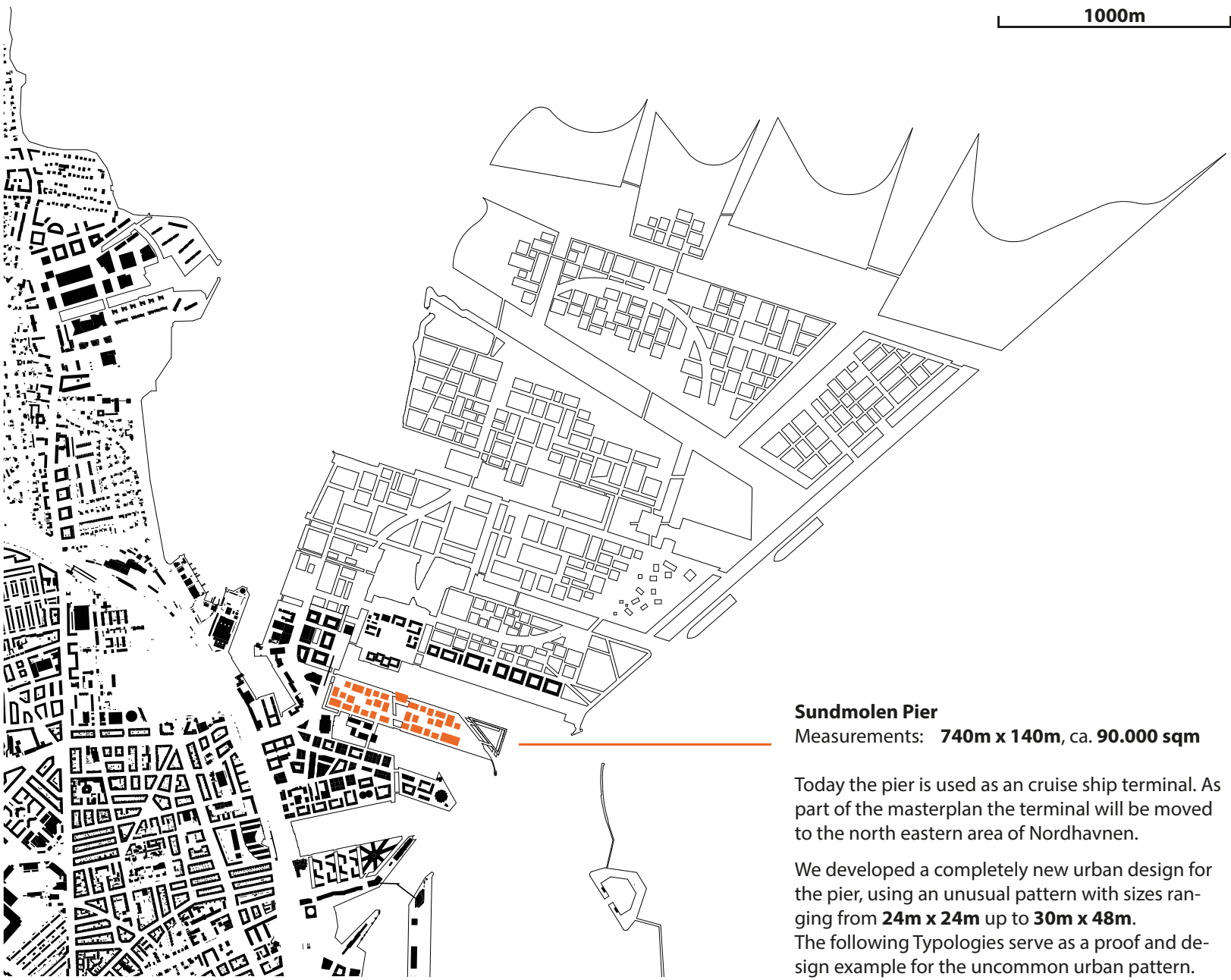
Location

The project is located in the area called „Nordhavnen“ wich is in the northern part of Copenhagen close to the district Østerbro. The harbour area of Copenhagen used to be a prosperous industrial zone, however since 1970 the industry is suburbanly relocated. Copenhagen's population is expected to increase by 100,000 by 2025. Nordhavnen is intended to accommodate a large proportion of these new inhabitants. Right now the architectual office COBE is working successively on the development-plan for Nordhavnen as a result of an open international ideas competition in 2008. The Sundmolen-pier is located at the interface of the masterplan to the development-plan.

Assignment

Our goal is to develop a completely new urban concept for a part of the Nordhavnen harbor area, the Sundmolen-pier. The currently developed status of the masterplan is used as given sourroundings for our urban design. Specifications of the Masterplan, like 40% housing, 40% workspace and 20% other use, will be taken as design parameters.

Figure Ground Plan Nordhavnen

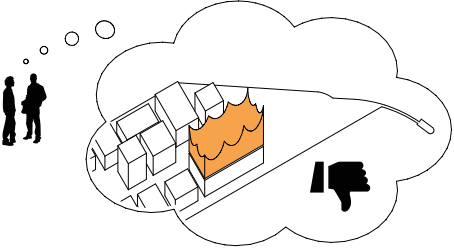


Urban Design

The intention is to create a new quarter of high diversity and city-spaces with their own identity. Due to the use of many small urban panels the scale of the new quarter remains manageable. This should create a intimate and neighborly environment for the future residents.

The result of the shifted urban panels are several clearly defined spaces and squares of high quality. A central „Quarter - Boulevard“ is holding the urban structure together.

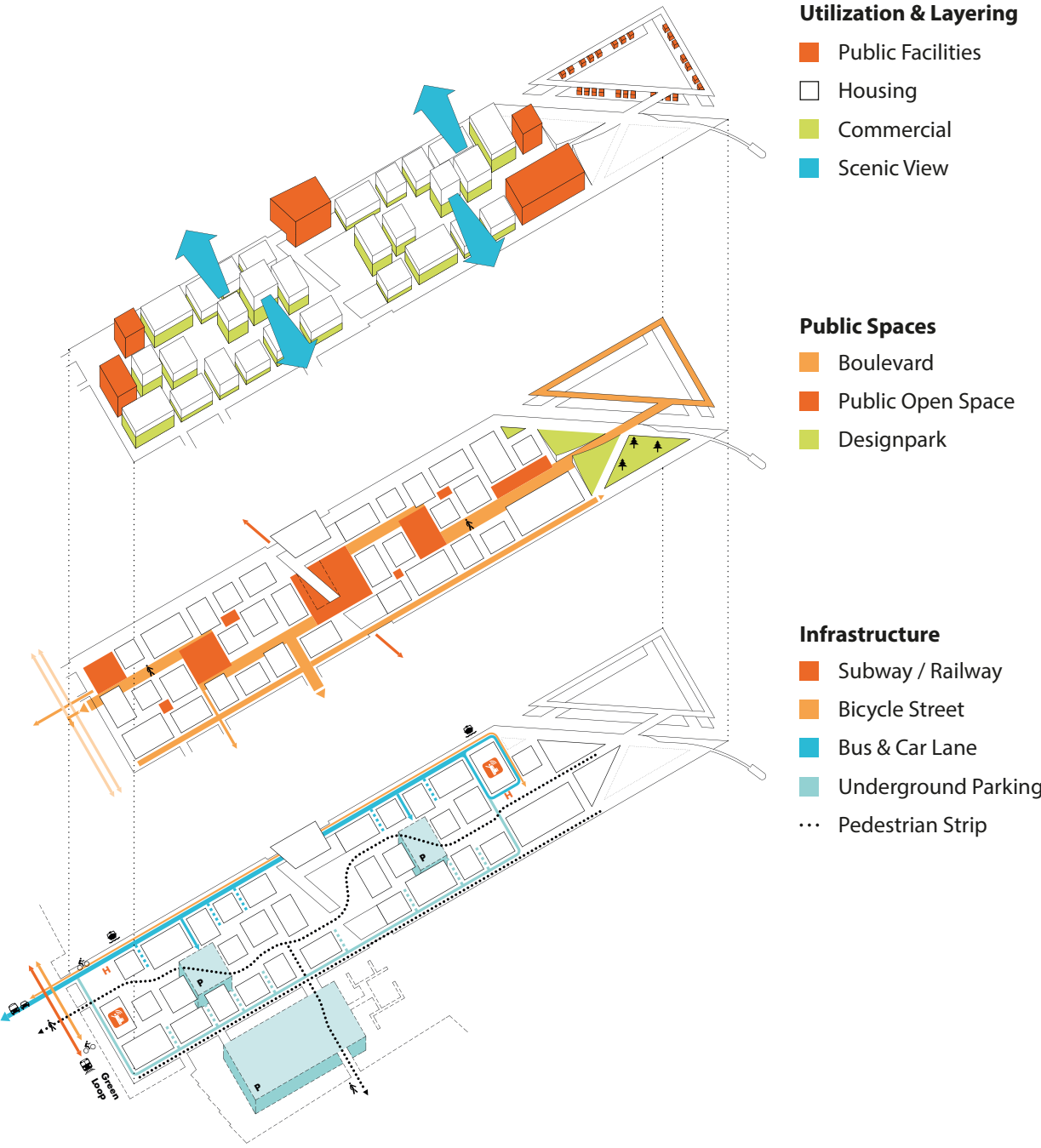
The differentiated heights of the structure show the mix and the vibrancy of the structure. The commercial areas are always located in the ground floor.



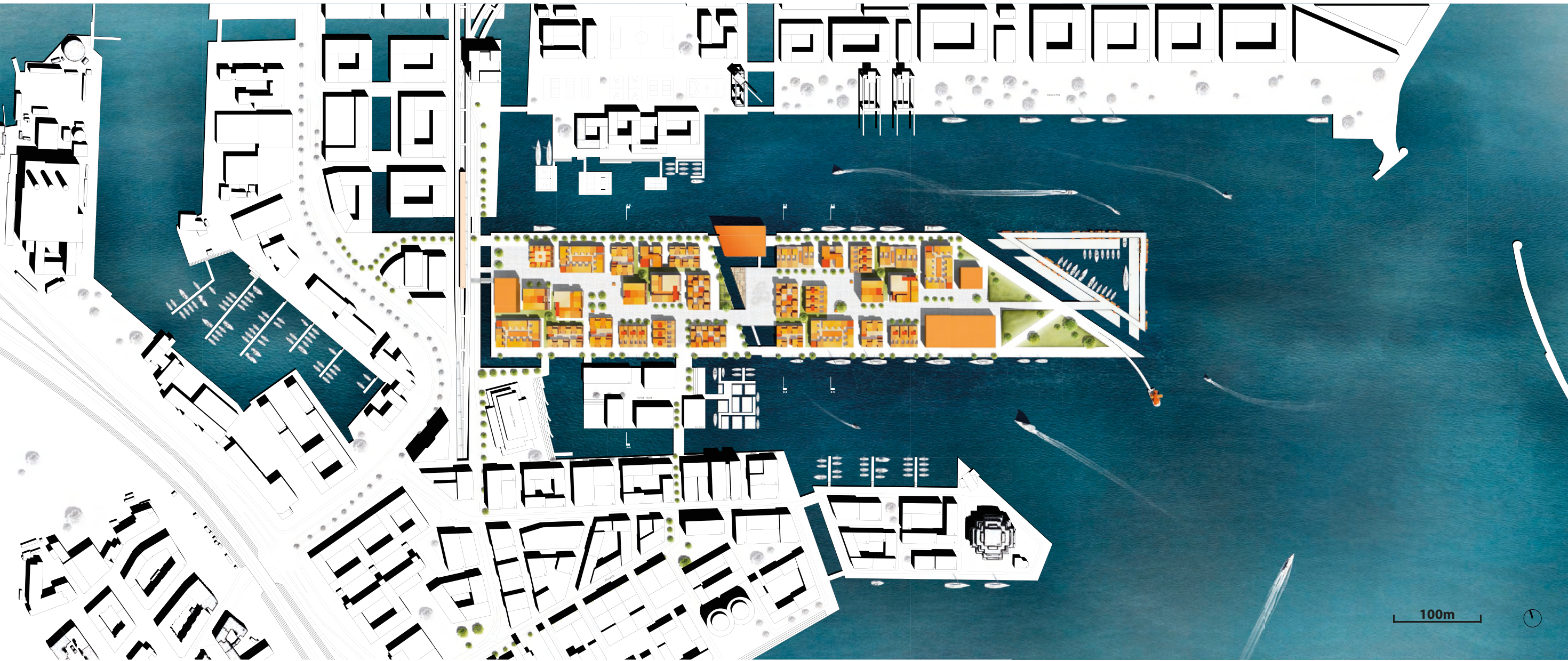
Design Park

The „Design Park“ forms the tip of the pier into an open-use puplic space. As against other known projects the tip is saved for the broad puplic. Over the last years there has been a rising creative scene with a high puplic interest which should be expanded.

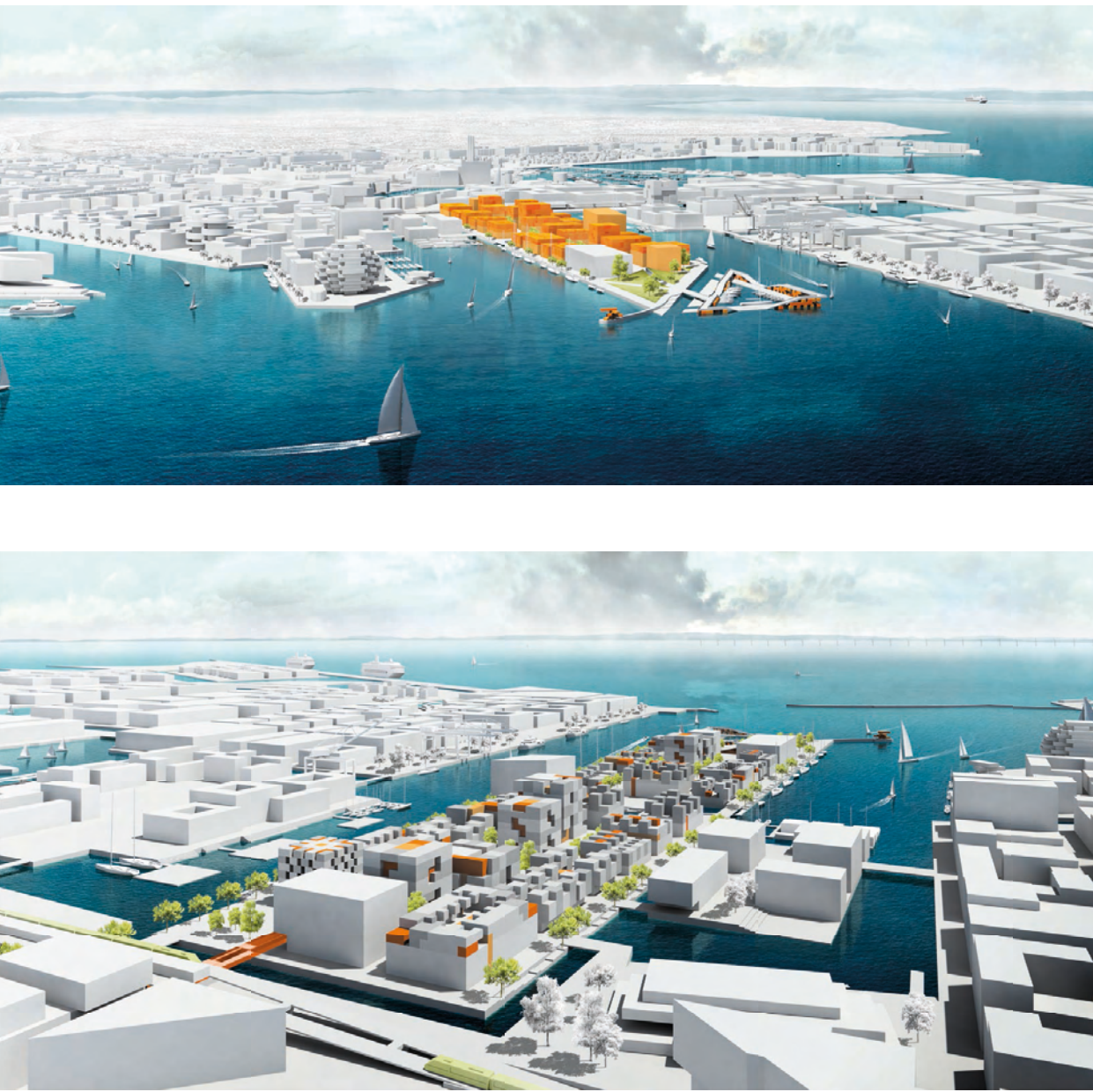
Established design-workshops along with a design-forum, showrooms and a multifunctional marina form a meeting place for Copenhagen's creativ scene, the residents and the visitors of Sundmolen.



Site Plan Sundmolen Pier



Aerial Perspectives Sundmolen Pier

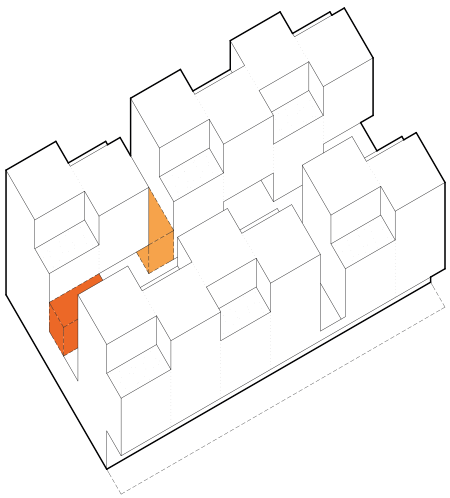


Urban Modules

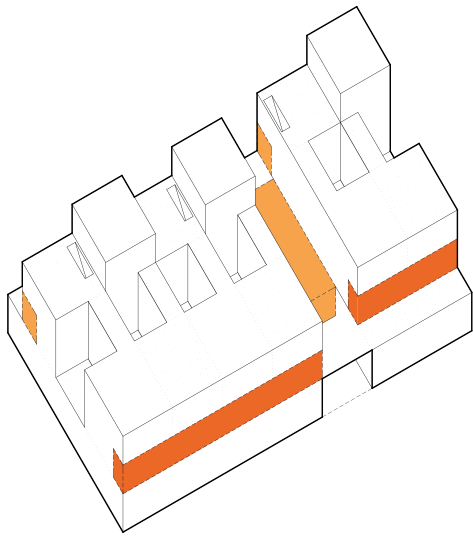
Seven different modules have been developed (including floorplans) as a proof for the unusual urban pattern measurements and show the possibilities to include different shapes of community in a variety of typologies.

- Communicative Access** designed with high amenity values to encourage residents to interact and communicate
- Pixel+** additional community space to be adopted by the residents for a variety of self-determined use

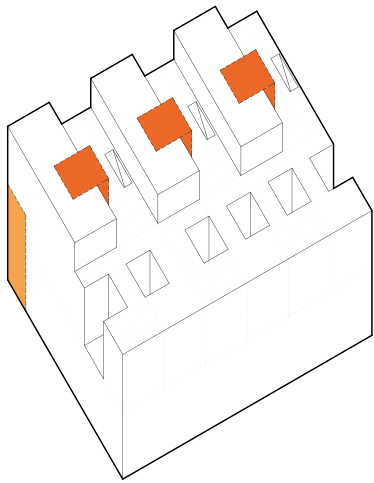
Townhouse Pixel



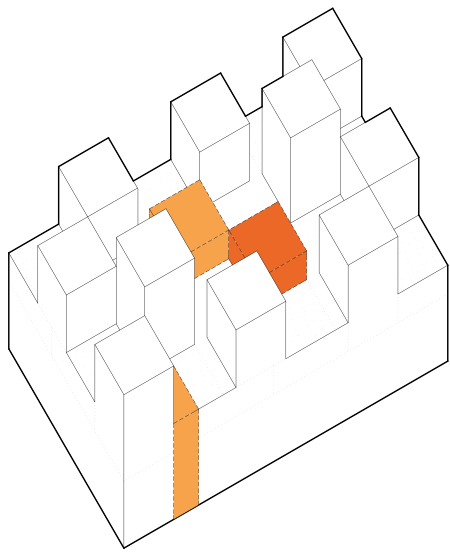
Row House Pixel



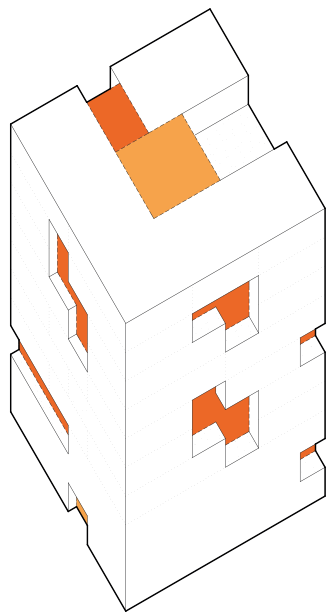
Patio House Pixel



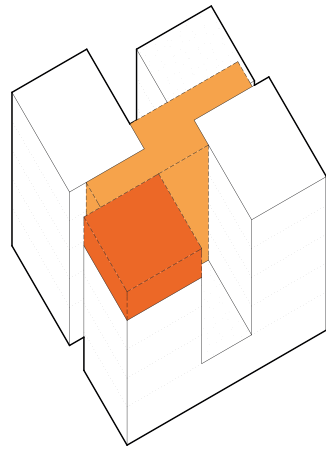
Parcelhus Pixel



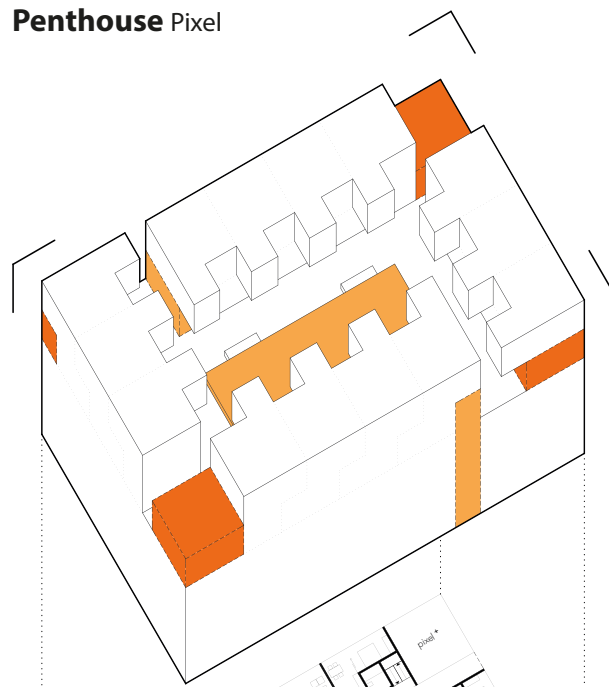
Tower Block Pixel



Access Balcony Pixel



Penthouse Pixel



Section Plane CC · Quarter Square



Vertical Stacking

Every block is surrounded by public space. The commercial space is located in every ground floor and is raised to several commercial stories in the center of the pier.

Thus the housing space is shielded from the public. Housing in the upper levels guarantee good natural lightning and in the lower levels commerce is provided with public access and glare-free workspace.

In addition as consequence of the vertical stacking every apartment is provided with spectacular views over the harbour and the pier.

Penthouse Pixel · Inner Courtard

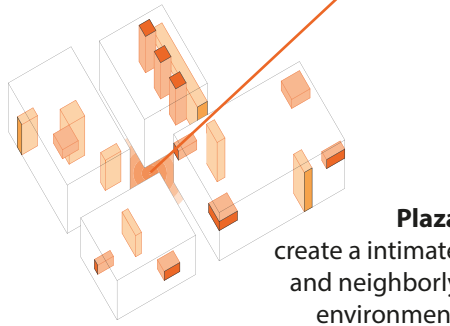


Urban Community

The intention of the urban structure is to support community and the social synergetic effects known from small - scale cultivation structures and to transfer them into a high density environment. The screen to protect privacy therefor has to increase successively to achieve this goal. Small units with enough space for community-interaction should inspire people to use them.

To show and to prove these purposes we developed over seven typologies. Each of them show individually how to support community and to offer a high quality of living in different sizes and budgets.

Communicative openings such as high quality stairs and the „Pixel +“ which stands for a variety of use (urban garden, small office, playground, ...) provide a nice surrounding for the residents of each building.



Plaza
create a intimate and neighborly environment

