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REGENERATION OF INDUSTRIAL SITE IN AMSTERDAM HARBOUR AND HOUSING TOWER

The project deals with a site in Westpoort in Amsterdam, which in city vision for Amsterdam 2040 may be transformed into new residential and work area of steadily growing and still urbanizing city. Site is located in Coenhaven – 50 hectare part of the industrial harbour which serves nowadays as a base of few big companies.

The goal of first part of the project was to design a masterplan for diverse, lively and sustainable neighbourhood that would be well connected to the city center and provide various housing options, recreational areas, work places, schools and entertainment. In the masterplan it was important for me to include the industrial heritage and consider historical development of the old docks and keep industrial character in public spaces. The site is divided in four different built areas and four characteristic public spaces. The masterplan differentiate also car accessible and car free zones and provides diverse public transport options. All specified areas are depicted in moodboards and proposal of tailored solutions. Coenhaven visually closes the urban part of the river IJ.

Because of the latter, the second part of the thesis is an architectural project which propose a landmark building in one of built areas on the tip of the site mostly directed towards the city. Designed towers with a bike parking building are located in so called “Waterview area” – a car free neighbourhood opening towards the waterfront. Two towers of different heights host public functions like gym, shared workspaces, restaurant, day-care and various apartments. Residential part is accessible through monumental central void with sculptural staircase. Apartments create various options of joining them, adding double height and incrementally developing your household. Each forth floor the towers have a community spaces and connection between towers. The setting on site embraces strong winds in the area and by use of bladeless wind generator in the narrow natural wind tunnel inbetween, provides power for the buildings.