Train Station in Almere Pampus
Design Methods emerged from patterns

Structural analyses and evaluations - Components and sizes of the final structural system
Interior Layout: (1) Input, (2) Services, (3) Enclosures and (4) Clustering
Panellization subdivision and materials process
Climatic performance and energy facade

The project deals with the creation of a new train station in Almere Pampus, which is now an empty undeveloped area. The concept of the train station is linked to the process of the urban constellation and becomes the existing proposed context. The city of Almere is relatively young and up to today it is still being developed. The population of Almere will reach 350,000 citizens. The first stage included analyses of its indigenous nature and technical restrictions, a train station is merely a structural development. Consequently, the results of the structural analyses and evaluations were constantly informing the final configuration. These patterns comprised a set of urban values that contributed to identify the most spatial configuration.

The development of the design and the processes were data-driven, inspired and guided from a variety of approaches that represented important decisions for the project. The top-down approach looked towards a feasible design and form and its environmental impact. The bottom-up approach concerned the functional distribution and the mix of functions in the area and reduce the phenomenon of "zoning." The outcome of these ideas was a structure of the station building. Patterns either as analytical or as design tools were again developed in terms of architecture, the project addressed issues of environmental concerns in its most visible feature: the exterior skin of the building will be a new milieu for the generation of renewable energy with the use of photovoltaic panels. In general, the project contains an integrated and thorough impression of non-standard and interactive architecture.

The project was developed in a variety of scales; in an adequate extend, from urban and social, to interior. In the layout of the spatial enclosures, internal circulation and accessibility analyses and the responsive character of the building to the environmental and contextual parameters, such as solar access and neighboring buildings.

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