Each four years for every World Cup event, 10 large stadiums are needed. These stadiums fulfill their purpose for only one month and afterwards the hosting country will own them for their own competitions or needs. By building stadiums to be transportable over water, these stadiums can be moved from country to country. This means that the location of the stadiums can vary, a modular stadium can be a transportable stadium. There have been chosen for transport over water, as this provides the best possibility to build a transportable stadium.

To adapt to different demands of the specific locations and events, a flexible stadium is needed. Building up the stadium out of several modules, that can be combined to the specific configuration for the location and for the event, is needed. The functionality of the design is mandatory to create a realistic stadium design. The flexible stadium, a configuration with two tiers (configuration 1) and a configuration with three tiers (configuration 2) are developed for the Innovative Stadium Design.

Adaptability and Transport

To transport the stadium over water, the stadium will be build on pontoons. For optimal transport, the main requirement was to be able to cross the Panama Canal. The main reason was to make the stadium as transportable as possible. The stadium has been separated in four elements; the pitch, first and second configuration and the entrance. By using the same entrance pontoons in both configurations, an optimization was made.

Assembly and Disassembly

To get a realistic and flexible stadium design, the scale of assembly and the building time are the most important aspects of assembly and disassembly. The stadium design consists of several modules, in which platform design is the starting point. Platform design results in standardization of the modules which limited the number of loose elements and thus the building time. The standardization is visible in the platforms which result in the stadium, but also in the added functions like toilets and SUP's. These functions are added as universal units.