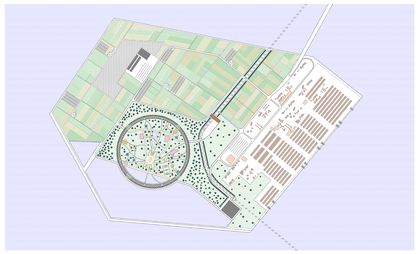
Circle City

Transforming the Expo 2025 into a sustainable city

Existing situation : Master plan 0 250 500 1000m Scale 1 : 10'000

The 2025 World Expo will be held on the artificial Yumeshima island in Osaka Bay. This mostly unused island contains a solar panel field and a conainter deposit, both for the benefit of the city of Osaka.

The exhibition site features a large circular wooden structure. This "Grand Roof" measures 700m in diameter and serves as the main circulation route for the event.

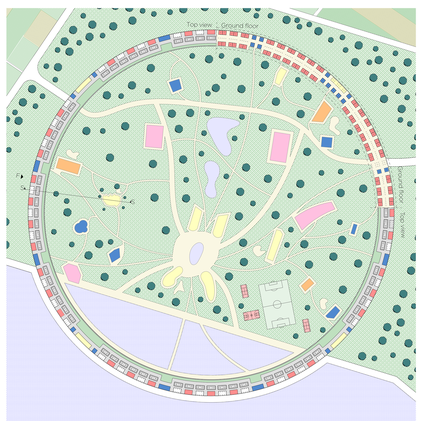


Projected situation : Master plan 0 250 500 1000m Scale 1 : 10'000

At the end of the event, the Circle city project plans to use the Grand roof as a base for the construction of a residential complex containing housing, shops and public infrastructure, as well as self-managed food production.

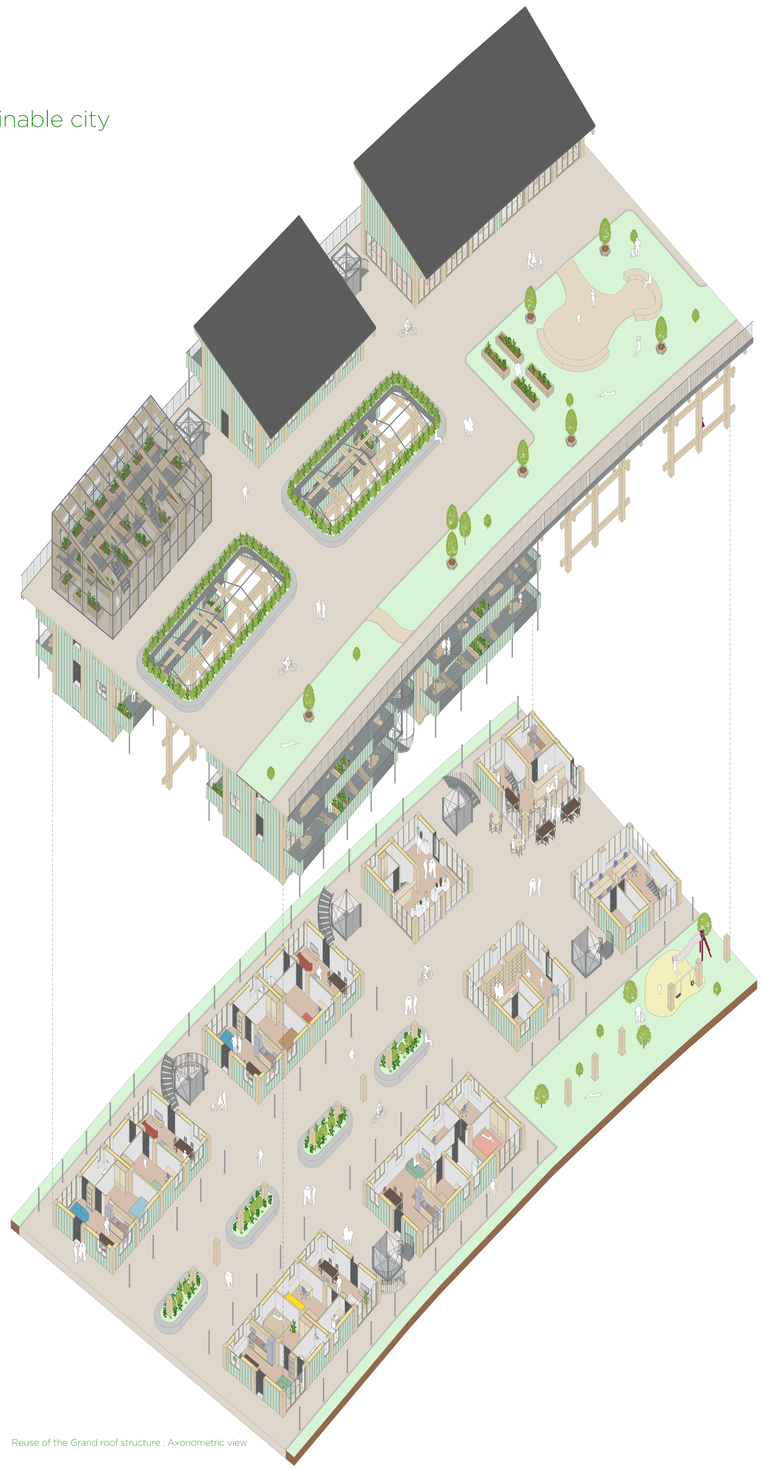
Various pavilions will be converted into public infrastructure, turning the center of the ring into a cultural place.

The solar panel field and the container deposit will continue to serve their purpose, while the rest of the island will be used for agriculture, allowing the circle city to feed itself.



Projected situation : Master plan 0 50 100 200m Scale 1 : 2000

- Housings
- Offices
- Culture
- Retails, workshops
- Schools, nurseries
- Yumeshima subway station
- Utility facilities
- Farms
- Weadows
- Ponds, sea
- Fields
- Roads
- Greenhouses
- Small greenhouses
- Parkings
- Solar panels
- Container deposit



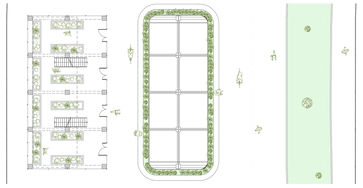
Reuse of the Grand roof structure : Axonometric view

Reuse of the Grand roof structure : Facade F 0 1 2 3 5 10m Scale 1 : 100

View from the sky avenue : Render

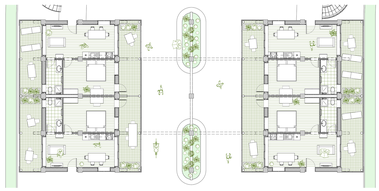
View from the main street : Render

View from the city center : Render

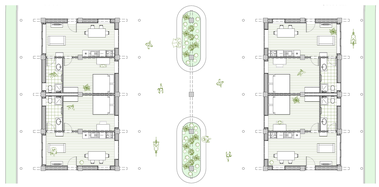


Greenhouse and sky avenue : 3rd floor 0 1 2 3 5 10m Scale 1 : 100

Housing : 2nd floor 0 1 2 3 5 10m Scale 1 : 100

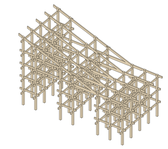


Housing : 1st floor 0 1 2 3 5 10m Scale 1 : 100

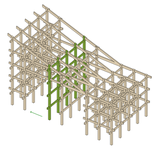


Housing and main street : Ground floor 0 1 2 3 5 10m Scale 1 : 100

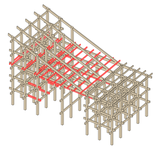
Reuse of the Grand roof structure



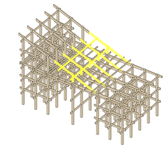
0. Existing structure module



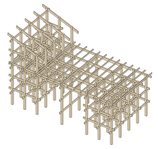
1. Middle post offset



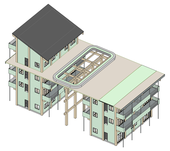
2. Beam addition



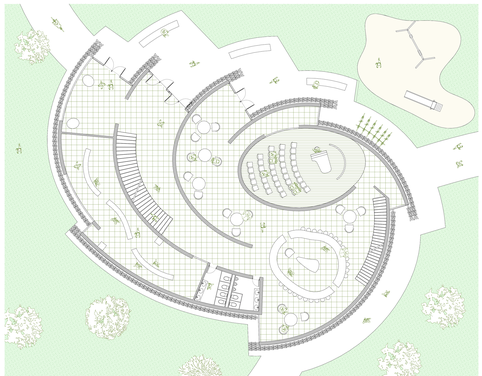
3. Frame removal



4. Modified structure module

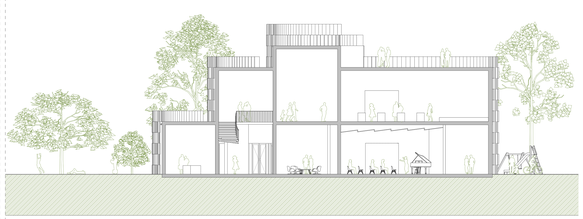


5. Use of the modified structure



Cultural center, reuse of an existing pavilion : Ground floor 0 1 2 3 5 10m Scale 1 : 100

Circle city : Section S



0 1 2 3 5 10m Scale 1 : 100