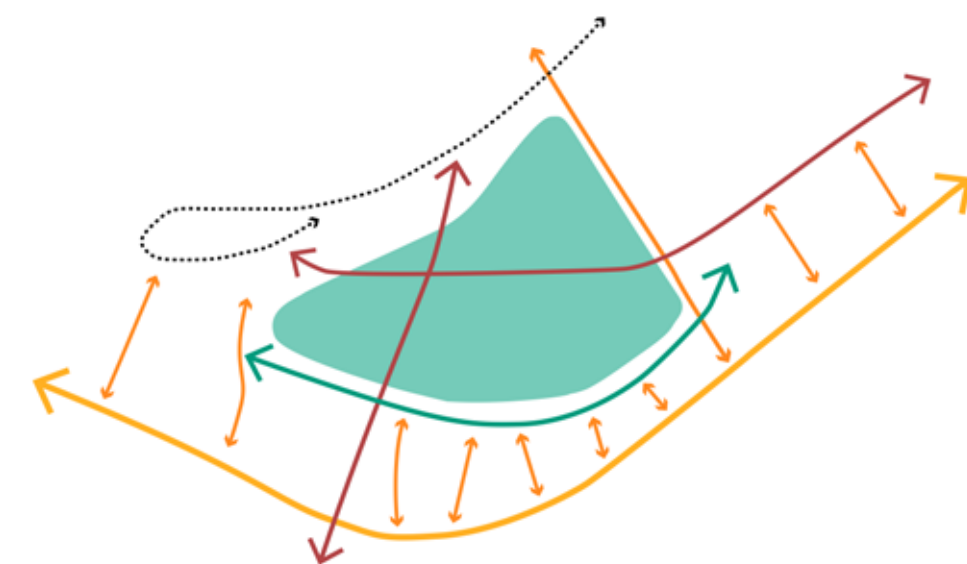


QUARTERS

Introduction

Quarters is an ambitious public-realm led proposal for the future of Turku's Linnanniemi area. The proposal aims to create a socially, environmentally, culturally and economically sustainable piece of city, which respects and enhances the existing urban conditions.



Site Strategy Diagram

- Harbour Route
- Pedestrian Links
- Green Route
- Shared Surface Routes
- Vehicle Traffic

Site Strategy

The site strategy consists of 4 key moves:

1. The creation of a large central park 'Castle Park', which ties the three most historic areas of the site together into one large and car-free green space. This is achieved through the pedestrianisation of Linnankatu and Satamakatu (service vehicle traffic only).

2. The establishment of a large linear park 'Railway Park', which runs the length of the former railway. This contains cycling and walking routes along the former railway lines, to the Railway Station, making a new key route through the site and wider city.

3. The activation of the harbour edge through strong pedestrian routes and a variety of public spaces and public buildings.

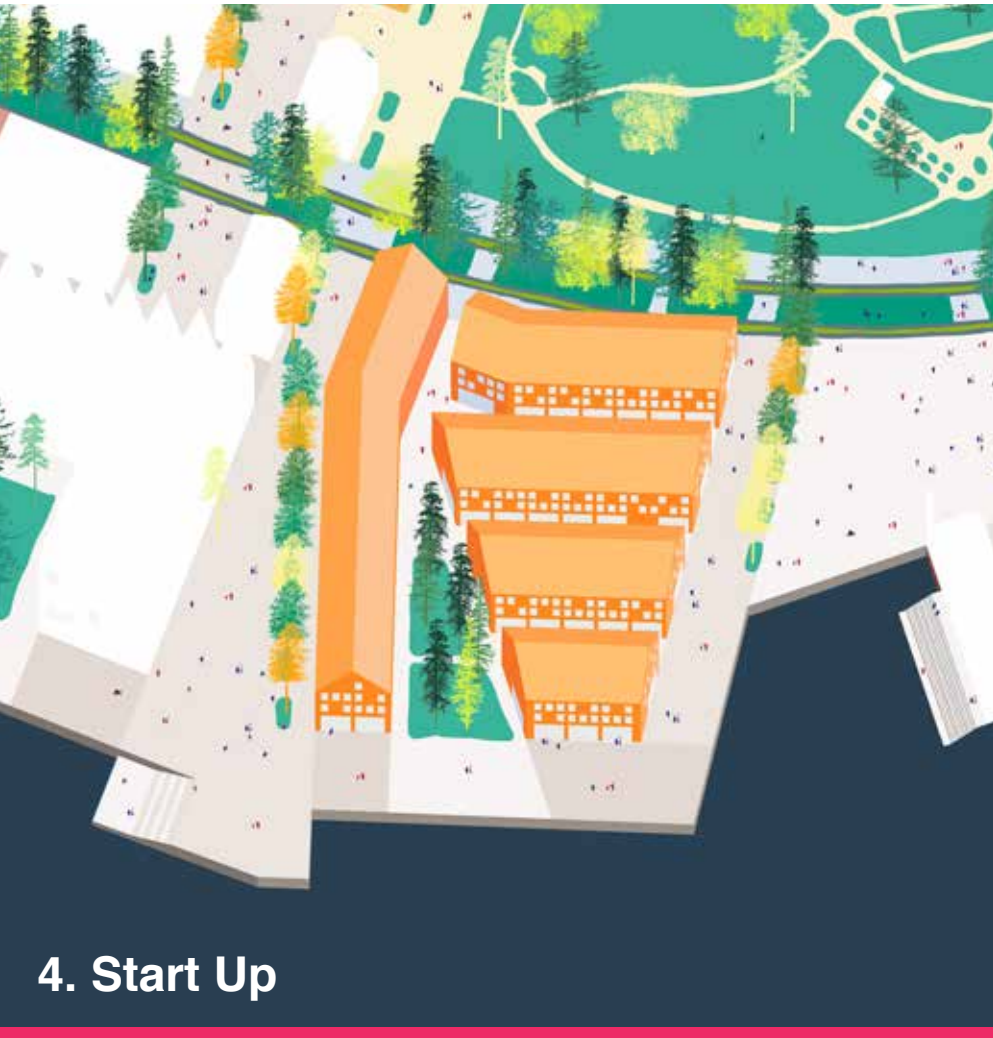
4. The planning of new buildings which have a strong sense of place and are sensitive in scale. This is achieved by creating a series of 'Quarters' - loose campuses of buildings with related functions, limiting the heights of new buildings in deference to the historic surroundings, and proposing warehouse-like forms which relate to the existing building stock and historically industrial nature of the site.



1. Transport



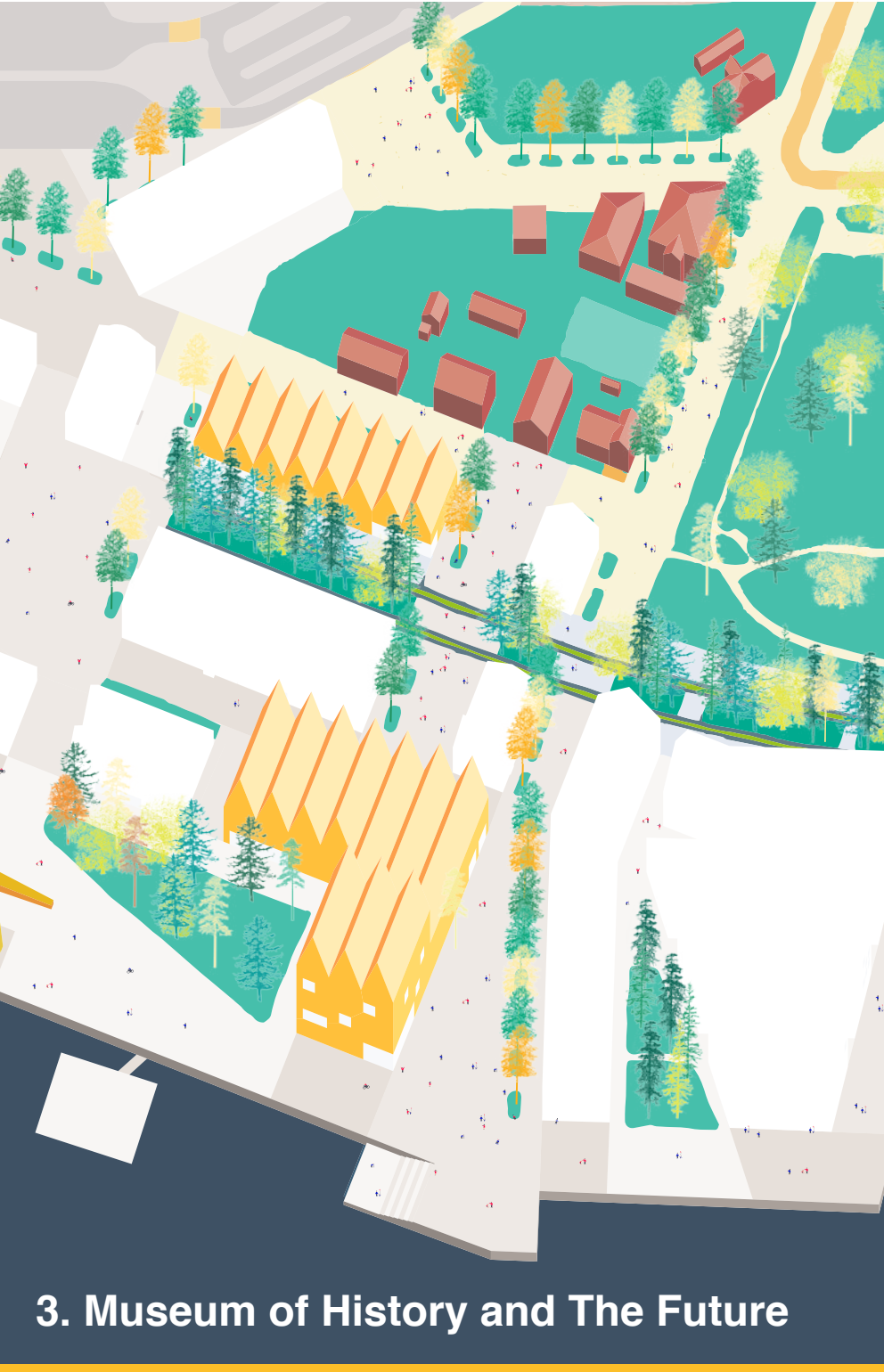
2. Food Market



4. Start Up



6. Housing and Culture



3. Museum of History and The Future

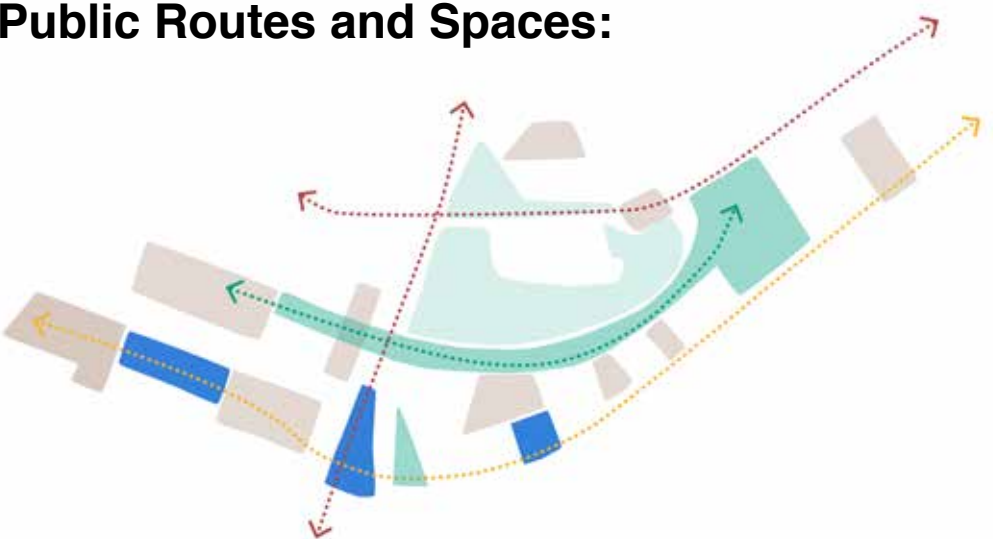


5. Castle and Arts



7. Forum Marinum

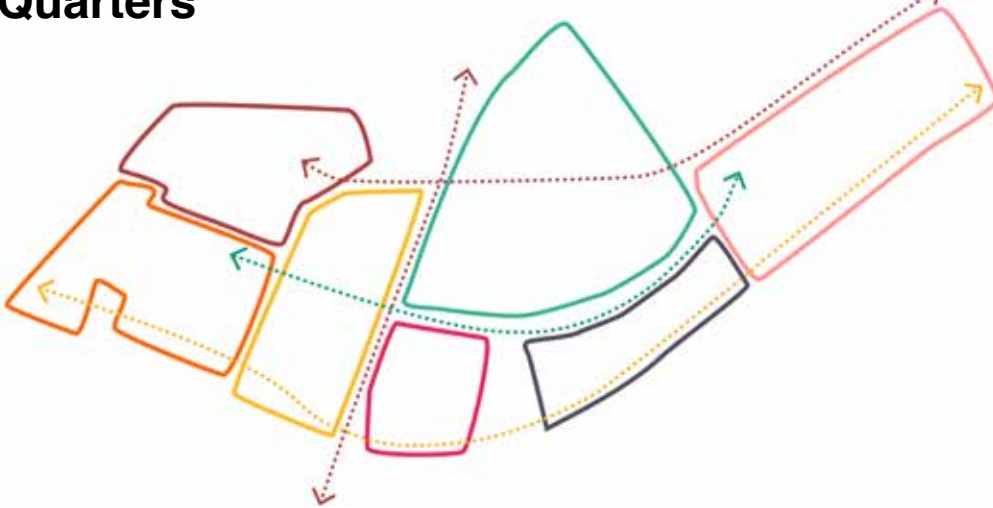
Public Routes and Spaces:



- Spaces with Access to Water
- Hard Landscaped Spaces
- Green Route
- Castle Park

The proposal contains new public spaces of various sizes and typologies, including hard landscaped city squares (Castle Square), covered market places (Market Square), soft landscaped squares (Museum Park), spaces with access to the water and large green parks (Castle Park). Linking these together are the new Linear Railway Park and the harbour edge, which run east-west across the entire site. These two primary routes are joined by several secondary north-south routes, creating a clear hierarchy of movement. The spaces are scaled to provide enclosure, frame the castle from key public places and lead pedestrians through the site whilst still allowing for a sense of discovery.

Quarters



- 1. Transport Quarter
- 2. Food Market Quarter
- 3. Museum of History and The Future
- 4. Start-Up Quarter
- 5. Castle and Arts Quarter
- 6. Culture and Housing Quarter
- 7. Forum Marinum Quarter

The site is conceptualised as seven quarters. This approach has been chosen because of the nature of the existing site, with large buildings forming campus-like quarters. This can be observed in the existing Forum Marinum where two large buildings, several public spaces and four boats interlink to create the museum campus. The existing castle and wooden warehouses along Linnankatu also form an existing campus-like quarter, as do the wooden buildings along Satamakatu and the large buildings populating the existing harbour. The proposal aims to take this unique urban condition and amplify it, through the placement of new buildings to create new campus-like quarters. Each quarter holds a different function, but also links to the wider city through its form and relationship to public realm.



Phasing

The proposed urban form is easily divided into individual development sites. In the first 10 years the key cultural buildings including Museum of History and the Future Phase 1, the theatre and sauna will be constructed, along with 1st phase housing and start-up premises. By 2039, Museum of History and the Future will be completed, Forum Marinum will be extended and the housing and start-up premises will be completed. By 2049 the entire site will be completed.

During construction the site will use socially inclusive meanwhile projects, which can be carried over into the completed area, for example, businesses which may use the start up premises and street food vendors will be invited to attend weekly markets in the area prior to construction of their permanent premises in order to grow a base and reputation in the area. Performances and art installations by future users of the associated public buildings will also be encouraged during construction.

QUARTERS

1. Transport Quarter

- a. Commercial/Hotel (3000m2)
- b. Transport Station (1600m2)
- c. Tourist Information (1500m2)
- d. Arrival Square
- e. Taxi Station
- f. Coach Bays

2. Food Market Quarter

- a. Fish Farm and Aquaponics (6000m2)
- b. Fresh Food and Street Food Market (3315m2)
- c. Outdoor Market Canopy
- d. Local Ferry Station (400m2)
- e. Commercial Premises (921m2)
- f. Commercial Premises (2950m2)
- g. Market Square
- h. Steps to Water
- i. Local Ferry Square

3. Castle and Arts Quarter

- a. Turku Castle
- b. Ceramics Studio (400m2)
- c. Glassblowing Studio (500m2)
- d. Textiles Studio (500m2)
- e. Woodworking Studio (500m2)
- f. Arts Centre / Exhibition Space (2215m2)
- g. Arts Centre / Dance Studio (2000m2)
- h. Artist in Residence (640m2)
- i. Cafe (200m2)

4. Start Up Quarter

- a. Start Up Business Units (4500m2)
- b. Subsidised Start Up Units (4000m2)
- c. Small Business Units (3000m2)
- d. Small Business Units (2100m2)
- e. Start Up Business Units (7000m2)
- f. Start Up Square

5. Museum of History and the Future

- a. Museum of Future (6000m2)
- b. Axis of Past and Future
- c. Museum of History (1500m2)
- d. Museum of History Houses (1400m2)
- e. Commercial (1000m2)
- f. Commercial (900m2)
- g. Commercial (700m2)
- h. Public Museum Park

7. Forum Marinum Quarter

- a. Forum Marinum Museum (2120m2)
- b. Forum Marinum Museum (4000m2)
- c. Forum Marinum Museum Extension (2000m2)
- d. Entrance Square
- e. Harbour Square
- f. Canon Boat Karelia
- g. Frigate of the Finnish Swan
- h. River Hostel Turku

6. Culture and Housing Quarter

- a. Public Sauna (750m2)
- b. Housing (Commercial G Floor) (3200m2)
- c. Housing (Commercial G Floor) (2800m2)
- d. Housing (Commercial G Floor) (2400m2)
- e. Castle Square
- f. Contemporary Theatre (1400m2)
- g. Theatre Square
- h. Housing (Commercial G Floor) (2000m2)
- i. Housing (Commercial G Floor) (2000m2)
- j. Housing (Commercial G Floor) (2000m2)

8. Green Spaces

- a. Castle Park
- b. Railway Link Park
- c. Castle Entrance Square
- d. Railway Park

Sustainability and Urban Drainage

The project has been designed to take into account flood risk constraints. Site levels have been set to raise proposed buildings above the flood level and overland flood routes incorporated to manage residual flood risk. Landscaping areas create habitat, enhance biodiversity and amenity value and will contribute to the sustainable management of surface water runoff. Onsite renewable energy generation, food production and active transport have been maximised to minimise the carbon emissions of the development and its visitor/residents. The scheme seeks to apply a multifaceted approach to achieve a more sustainable waterside development and is car-free.



QUARTERS

1. Transport Quarter

The transport quarter provides a sense of arrival for those visiting the site via tram/bus, taxi, car or major ferry. A new bus station and tree lined square welcomes visitors into the city, and a series of routes are clearly available both east-west, towards the castle and north-south towards the food market.

2. Food Market Quarter

A large indoor and outdoor fresh food and street food market is held in the former Hotel Seaport building and adjacent covered outdoor space. This is envisaged as a vibrant place, like Borough Market in London, or

Torvehallerne in Copenhagen. Adjacent public spaces lead down to the water and are framed by existing buildings, including the beautiful 3 Linja. A large fish farm and aquaponics centre is proposed at the western edge of the site. This would use water pumped directly from the sea to farm native species fish. The building would be a destination where children can learn about sustainability, a working equivalent to the traditional aquarium. Adjacent to the fish farm and aquaponics is a local harbour square from which boats to local designations in the archipelago can be boarded.

3. Castle and Arts Quarter

The historic castle is restored and made the central attraction of the entire site, the landscaping is improved and the castle's setting is improved through the pedestrianisation of Linnankatu and Satamankatu. The area directly north of the site is conceived as an arts campus, like the Cable Factory in Helsinki. The existing wooden trade store houses would be sensitively renovated and would house various public arts and craft studios, combining traditional techniques, such as ceramics, glassblowing and textiles, with contemporary technology like CNC machines, laser cutters and 3D printers. These would be open for use by both professionals and the public. Vallihaudankatu 10 would be restored to become the primary building of the new arts campus, with large exhibition and teaching spaces opening up on to a central yard. A new building housing further exhibition spaces, a dance studio and cafe would be positioned adjacent to enclose the courtyard. Several studios for artists in residence would also be proposed, allowing an artist to work in the historic urban environment and the public to engage with their work.

QUARTERS

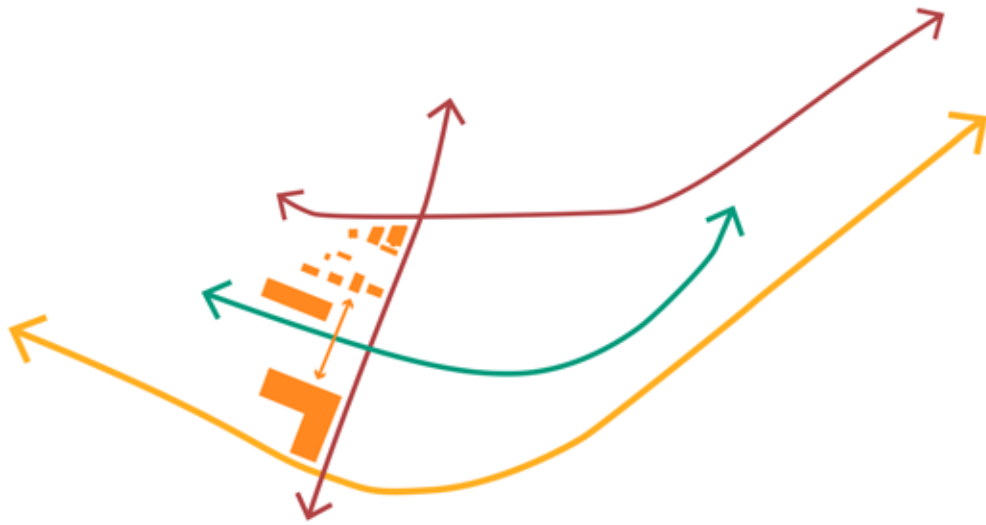
4. Start-Up Quarter

A series of industrial scale buildings adjacent to the harbour which enclose the surrounding public spaces and provide a network of new smaller streets with an atmosphere similar to Camden Stables in London or Torikortellit in Helsinki. These will be start-up units with affordable rents, to allow businesses to grow on a prominent site in the city. The ground floor units will range between 25m2 and 100m2 and upper floor units between 30m2 and 200m2. The activation of spaces by local businesses and industries is a socially, economically and environmentally vital part of the city's development after the coronavirus and as we head towards a zero-carbon future.

5. Museum of History and the Future

The Museum of History and the Future is also conceived as a campus, in keeping with the wider site strategy. The Museum is split into two main buildings, one 'The Museum of the Future', sits on the harbour edge, at the intersection between the new linear park, Satamankatu and the harbourside. This is linked to the second 'The Museum of History', by an axial public space 'The axis of Past and Future'. The Museum of History sits opposite the existing wooden houses on the site. These houses will gradually be incorporated into the museum as the the current residents leave, or they become available through other means. The houses will host various temporary and permanent

exhibitions which explore the relationship between the future and the past. These could be large scale contemporary installations, like the 'Art Houses' on the Japanese Island of Naoshima. The Museum of the Future would house public functions, cafe, restaurant, bookshop, free exhibition etc on its eastern edge adjacent to Satamankatu, and opening on to the public space. The museum would have a tower-like element at its southern edge, facing the water. This element is not tall enough to interfere with the existing castle, but gives a sense of destination to the new Museum. The museum's unique pitched roof form as shown in these drawings is a reference to the Gunboat Shelters which lined the river Aura in the 1790s.



Museum of History and the Future Diagram

Diagram showing relationship of museum buildings to the wider site and each other.

6. Culture and Housing Quarter

This quarter contains housing, a public sauna and a contemporary theatre. The housing is envisaged as a mix of tenures and uses, with commercial ground floor. In terms of scale and typology it is similar to Krøyers Plads in Copenhagen. The forms of the new development are in keeping with industrial history of the site. The public sauna has access to the sea, for swimming and ice skating in winter. The contemporary theatre will make productions which are immersive and linked to the local area. It is envisaged this will house a contemporary theatre company who can perform in the adjacent public spaces and also unusual sites around Turku and Finland. The building

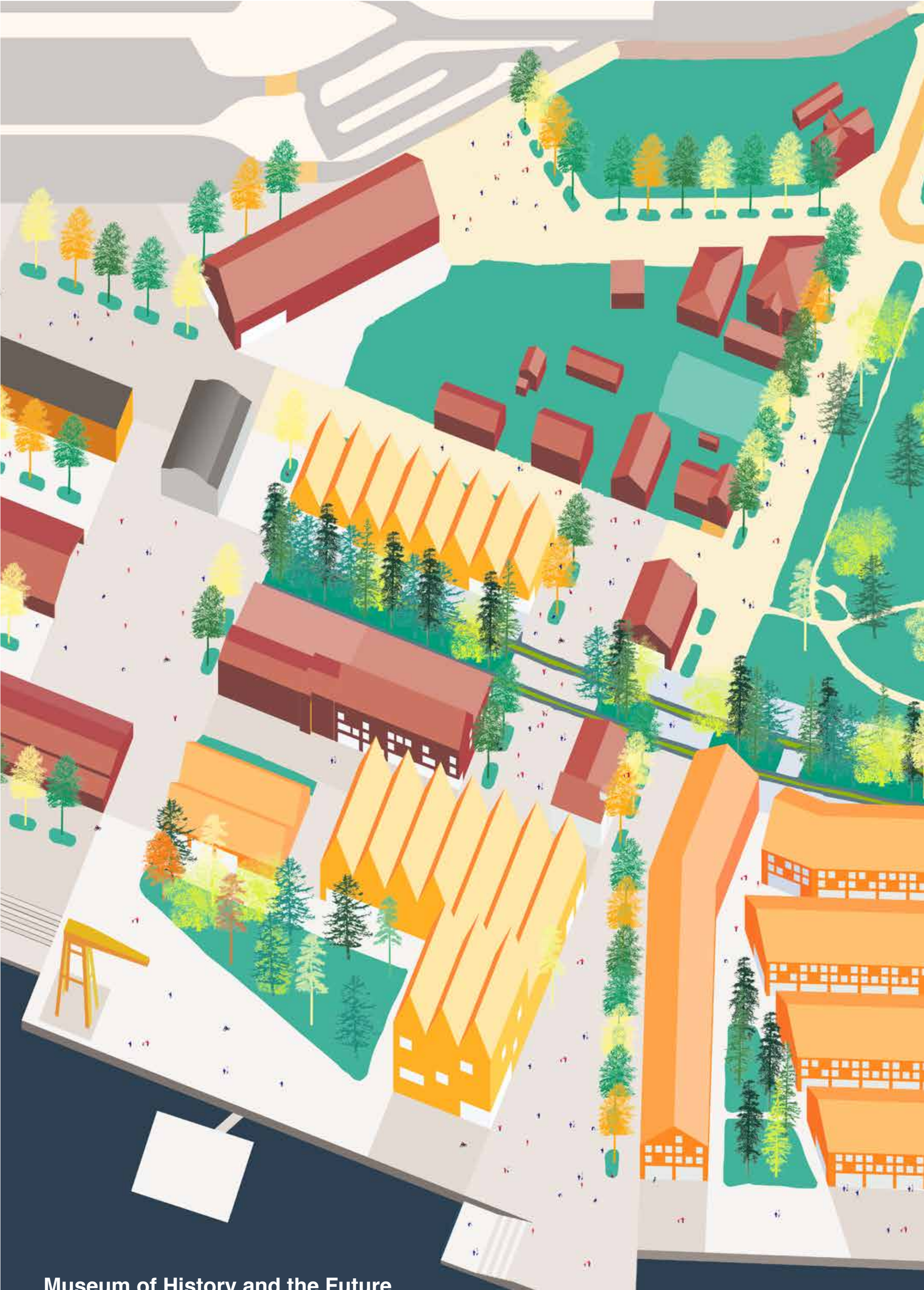
opens on to the adjacent public spaces. The public spaces in this quarter are formed to frame views of the castle from the opposite bank of the Aura and from the harbourside.

7. Forum Marinum Quarter

Forum Marinum is extended by the inclusion of a new warehouse-like building which forms a new entrance square to the north, and encloses the existing public space within the Forum Marinum campus. The Canon Boat Karelia is moved into a new dock, which recalls historic dry-docks, making a central piece of living exhibition within the central square. It is envisaged that the new building would house boat building workshops.



Culture and Housing
Axonometric 1:1000



Museum of History and the Future
Axonometric 1:1000



Forum Marinum
Axonometric 1:1000



