EW354 TRELLEBORG (SE)

NEW SJÖSTAD: WATER, WALK WITH ME

01 WIND MILL FOR ENERGY PRODUCTION
02 UNIVERSITY, CAMPUS BUILDINGS
03 MARKET HALL
04 PIER CAFE
05 PARKING HOUSE
06 MARINA, LARGE BOATS
07 ART CENTER
08 LIBRARY WITH PLAZA
09 NEW PEDESTRIAN, BIKE BRIDGE
10 MARINA, PRIVATE AND FISHING BOATS
11 PUBLIC PIER
12 PUBLIC BATH
13 PARKING HOUSE
14 HARBOR PLAZA
15 SCHOOL WITH SPORT FIELDS
16 PLAYGROUNDS
17 WETLAND PARK
18 COMMUNITY URBAN FARMING
19 WETLAND LEARNING FACILITY
20 WETLAND PARK
21 COMMUNITY SQUARE
22 CO-WORK HUB TRELLEBORG 2.0
23 PIER
24 REFURBISHED OFFICE BUILDING
25 PARKING HOUSE
26 FOOD HALL AND FOOD PRODUCTION
27 FISH MARKET AND FISHING HUTS
28 BOAT SLIDE AND PICK, BOAT CRANE
29 DELIVERY & PICK-UP CENTER, WAREHOUSE STORE
30 KINDERGARTEN
31 PLAYGROUND
32 COMMUNITY URBAN FARMING
33 BEACH PLAZA
34 LONG PIER WITH SAUNA
35 TRELLEBORG BEACH
36 TRELLEBERGET HILL WITH A LOOK-OUT
37 LIGHTHOUSE AND PUBLIC BOAT ENTRANCE
38 SILO TRANSFORMED INTO BEE FARM
39 LINEAR DISTRICT PARK, STORMWATER SWALES
40 RIVER PARK

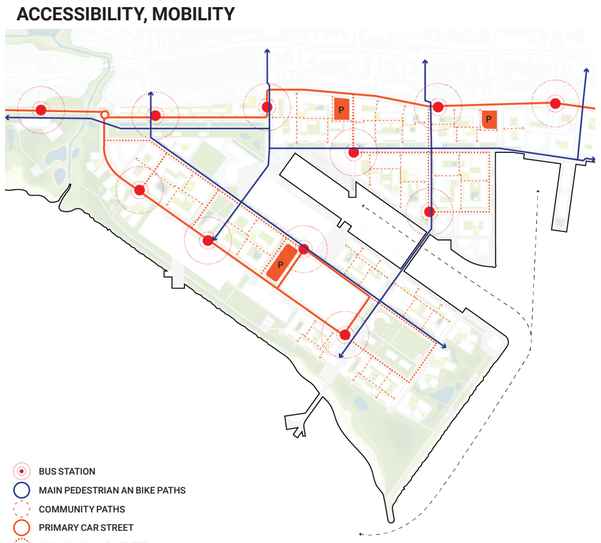
STRATEGIC SITE PLAN SCALE 1:2500

0 25 50 100 250 M

SECTION B-B SCALE 1:1000

0 10 25 50 100 M

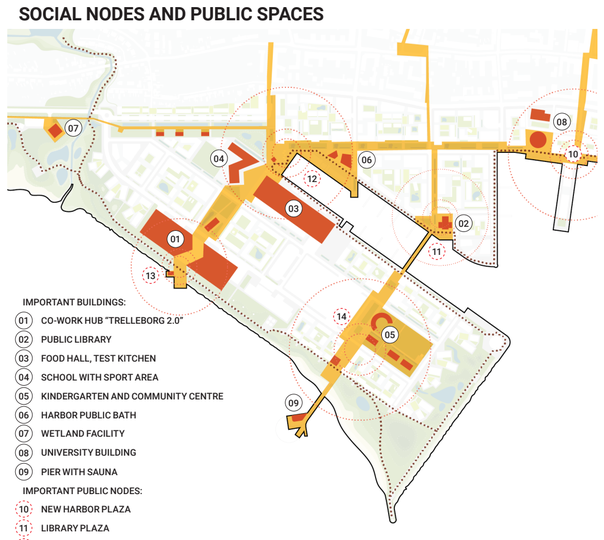
ACCESSIBILITY, MOBILITY



- BUS STATION
- MAIN PEDESTRIAN AN BIKE PATHS
- COMMUNITY PATHS
- PRIMARY CAR STREET
- SECONDARY CAR STREET
- PARKING HOUSE
- SHIP NAVIGATION

The design encourages the use of sustainable public transport by proposing the efficient bus network, connecting the districts with the existing city. The bus stations are located by important public nodes, buildings or places. By incorporating the pedestrian and bicycle paths into the street scape, all the neighborhoods are easily accessible and linked together and to the train station by the sustainable bike, pedestrian network. The blocks are designed as semi-permeable urban structures with secondary pedestrian paths to allow for easy movement and human interaction within the productive blocks. The car access into the neighborhood is allowed and three parking houses are strategically located within the perimeter of the design site to limit the number of cars in the area.

SOCIAL NODES AND PUBLIC SPACES

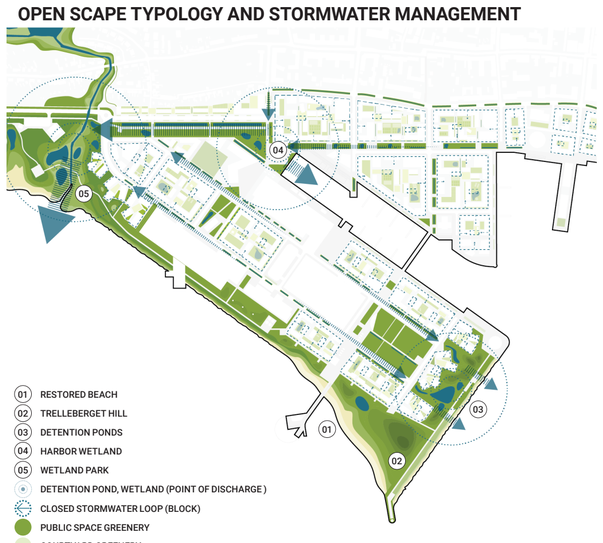


IMPORTANT BUILDINGS:
01 CO-WORK HUB "TRELLEBORG 2.0"
02 PUBLIC LIBRARY
03 FOOD HALL, TEST KITCHEN
04 SCHOOL WITH SPORT AREA
05 KINDERGARTEN AND COMMUNITY CENTRE
06 HARBOR PUBLIC BATH
07 WETLAND FACILITY
08 UNIVERSITY BUILDING
09 PIER WITH SAUNA

IMPORTANT PUBLIC NODES:
10 NEW HARBOR PLAZA
11 LIBRARY PLAZA
12 HARBOR PLAZA
13 PIER
14 BEACH AND NEIGHBORHOOD SQUARE

The main public spine stretches from the existing city center and joins the three new diverse districts into one neighborhood. The spine connects important public buildings and adjacent public spaces and comunity nodes into one continuous network with different characters, uses, atmospheres and activities. The diverse network includes public spaces for variety of individuals that support community life and interaction. The proposed public network includes parks, bath facilities, community gardens, squares, wetlands, piers, waterfront promenade to educational facilities and playgrounds. The secondary public space incorporates also community spaces within the block with spaces for production, community gatherings or leisure that offer different forms of engagement.

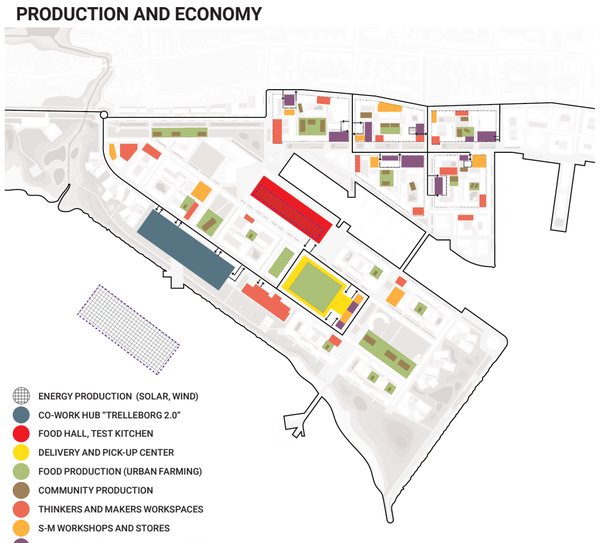
OPEN SCAPE TYPOLOGY AND STORMWATER MANAGEMENT



01 RESTORED BEACH
02 TRELLEBERGET HILL
03 DETENTION PONDS
04 HARBOR WETLAND
05 WETLAND PARK
DETENTION POND, WETLAND (POINT OF DISCHARGE)
CLOSED STORMWATER LOOP (BLOCK)
PUBLIC SPACE GREENERY
COURTYARD GREENERY
DIRECTION OF RUNOFF WATER
WATER SURFACE (PONDS, WETLANDS, CANALS)

The landscape network is designed to improve the natural conditions of the site, increase the biodiversity in the area, direct and handle the stormwater on the site without distrubing the neighborhood and also to offer various places for passive and active recreation for the residents of the city. Two big natural parks, wetland park (05) and park with detention ponds (03) with natural character offer places for quiet walks while linear parks and green spaces with playgrounds and urban farming provide areas for active recreation, community gatherings and events. The stormwater network is designed to take care of the stormwater from the public spaces while taking advantage of the presence of water, celebrating it in a form of vegetated swales, detention ponds or constructed wetlands in the harbor. The stormwater in the blocks is stored and reused for the domestic purposes or for irrigation of the community gardens and urban farming fields.

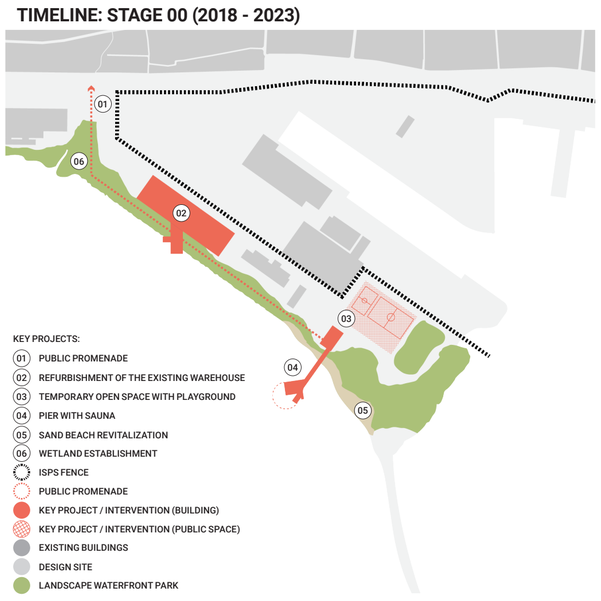
PRODUCTION AND ECONOMY



ENERGY PRODUCTION (SOLAR, WIND)
CO-WORK HUB "TRELLEBORG 2.0"
FOOD HALL, TEST KITCHEN
DELIVERY AND PICK-UP CENTER
FOOD PRODUCTION (URBAN FARMING)
COMMUNITY PRODUCTION
THINKERS AND MAKERS WORKSPACES
S-M WORKSHOPS AND STORES
L-XL PRODUCTION AND MANUFACTURE
MAIN DELIVERY ROAD
LOAD AND DELIVERY ACCESS

The proposed urban fabric is inspired by the existing city grid of large urban blocks and integrates new productive and community functions within each block. The blocks in the Harbor District closer to the Trelleborg's center provide spaces for wide range of production, workshops or creative industries that can co-exist in a mixed-use blocks whereas the production in the Seaside District is concentrated in the refurbished warehouses, community centers or dispersed into the urban block in a form of smaller administration and office workspaces, workshops and stores. To allow for such functions on the design site, the efficient system of access road for delivery and loading is proposed. The production units are connected to the main car street and have designated spaces for deliveries and loading.

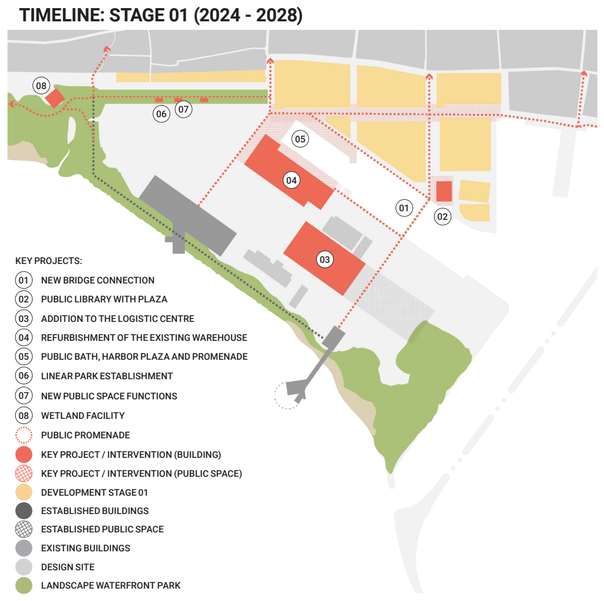
TIMELINE: STAGE 00 (2018 - 2023)



KEY PROJECTS:
01 PUBLIC PROMENADE
02 REFURBISHMENT OF THE EXISTING WAREHOUSE
03 TEMPORARY OPEN SPACE WITH PLAYGROUND
04 PIER WITH SAUNA
05 SAND BEACH REVITALIZATION
06 WETLAND ESTABLISHMENT
ISPS FENCE
PUBLIC PROMENADE
KEY PROJECT / INTERVENTION (BUILDING)
KEY PROJECT / INTERVENTION (PUBLIC SPACE)
EXISTING BUILDINGS
DESIGN SITE
LANDSCAPE WATERFRONT PARK

In the first stage a coastline revitalization is proposed as one of the first steps to allow for the vegetation to grow. The wetland area around the river is started while keeping the existing buildings. New program is introduced in the old refurbished warehouse and a base for the Trelleborg 2.0 co-work hub is started. The public bath and long pier with sauna is built to bring the public to the revitalized beach and activate the waterfront. Temporary events, such as concerts or kite parades can take place on the open space at the end of the pier while the hill can serve as a viewving platform.

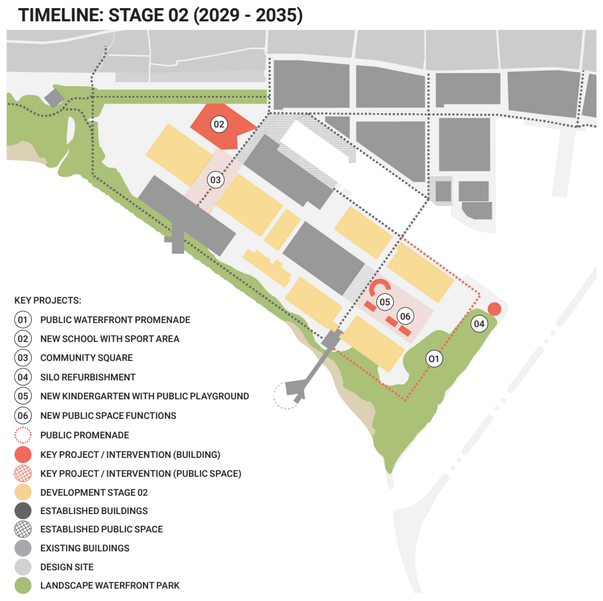
TIMELINE: STAGE 01 (2024 - 2028)



KEY PROJECTS:
01 NEW BRIDGE CONNECTION
02 PUBLIC LIBRARY WITH PLAZA
03 ADDITION TO THE LOGISTIC CENTRE
04 REFURBISHMENT OF THE EXISTING WAREHOUSE
05 PUBLIC BATH, HARBOR PLAZA AND PROMENADE
06 LINEAR PARK ESTABLISHMENT
07 NEW PUBLIC SPACE FUNCTIONS
08 WETLAND FACILITY
PUBLIC PROMENADE
KEY PROJECT / INTERVENTION (BUILDING)
KEY PROJECT / INTERVENTION (PUBLIC SPACE)
DEVELOPMENT STAGE 01
ESTABLISHED BUILDINGS
ESTABLISHED PUBLIC SPACE
EXISTING BUILDINGS
DESIGN SITE
LANDSCAPE WATERFRONT PARK

In this stage, a new Harbor District is developed and serves as a connection to the new waterfront around the inner harbor. New strong pedestrian and bike connections together with a new bridge connect to the already established pier with bath and Trelleborg 2.0 Hub. During this phase, two other warehouses are refurbished and connected to the public network. A main activator of the new Harbor District is the water bath facility with a square and food hall in the inner harbor. The landscape in the wetland park is prepared and established around the river and starts to offer habitat to various fauna. The whole western coastal area is restored to its natural conditions as the warehouses are demolished and new connections to this area in the east-west directions are created. The new district connects the existing city to the renewed waterfront in the in the harbor.

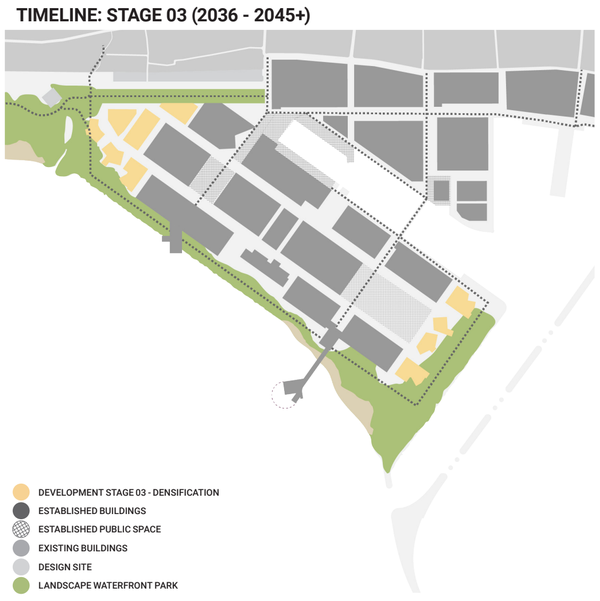
TIMELINE: STAGE 02 (2029 - 2035)



KEY PROJECTS:
01 PUBLIC WATERFRONT PROMENADE
02 NEW SCHOOL WITH SPORT AREA
03 COMMUNITY SQUARE
04 SILO REFURBISHMENT
05 NEW KINDERGARTEN WITH PUBLIC PLAYGROUND
06 NEW PUBLIC SPACE FUNCTIONS
PUBLIC PROMENADE
KEY PROJECT / INTERVENTION (BUILDING)
KEY PROJECT / INTERVENTION (PUBLIC SPACE)
DEVELOPMENT STAGE 02
ESTABLISHED BUILDINGS
ESTABLISHED PUBLIC SPACE
EXISTING BUILDINGS
DESIGN SITE
LANDSCAPE WATERFRONT PARK

During this phase, the whole waterfront promenade is established as the new development in the Seaside District is finished. New park in the east with a kindergarden as well as a new school in the north-east are the main key projects of this phase. With the development of this part of the desing site, the public spine connections are formed all the way from the existing city to the waterfront and revitalised coastline. The wetland and landscape coastline areas are fully established and form a solid habitat for various species as well as provide a full stormwater management functions to protect the neighborhood against the floods.

TIMELINE: STAGE 03 (2036 - 2045+)



DEVELOPMENT STAGE 03 - DENSIFICATION
ESTABLISHED BUILDINGS
ESTABLISHED PUBLIC SPACE
EXISTING BUILDINGS
DESIGN SITE
LANDSCAPE WATERFRONT PARK

In the last phase, the additional development is placed at the edges of the Seaside District as well as the Eco-clusters are built in the western coastal area if there is a need for additional housing in the city. This phase provides additional housing units to the already established neighborhoods and increase the density of the neighborhood without disturbing the natural conditions of the site.