Anexo 3

LILLESTRØM (NO)

1. TO BE A PART OF IS TO BE PRODUCTIVE

SLØW STREAM

CONNECTIVITY AS PRIMARY NEED FOR PRODUCTIVITY

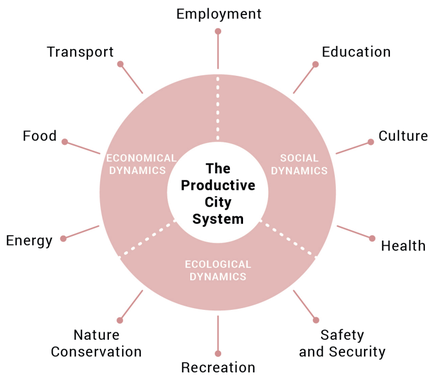
The productive city system is based on social, environmental and economical dynamics, and its resilience depends on the complexity, diversity and consistency of its interactions.These interactions are what makes productivity happen, and Lillestrøm is a living proof of that. Its origins, back in the 1850's, are related to its productive functions, enabled by its special ecological and geographical position, where the river and the railway met, relatively close to the capital. These energy and mobility corridors were fundamental for the timber processing business that allowed Lillestrøm to flourish and to become the city we know today.

Nowadays, Nesa represents the productive functions of Lillestrøm, which through the decades have been pushed away from the city center to a peripheral location. An isolated and disconnected area has much less productive potential, a big limiting factor for Nesa. By enhancing the connections with Lillestrøm we will be promoting not only a productive area, but a productive network, the first step towards a productive city.

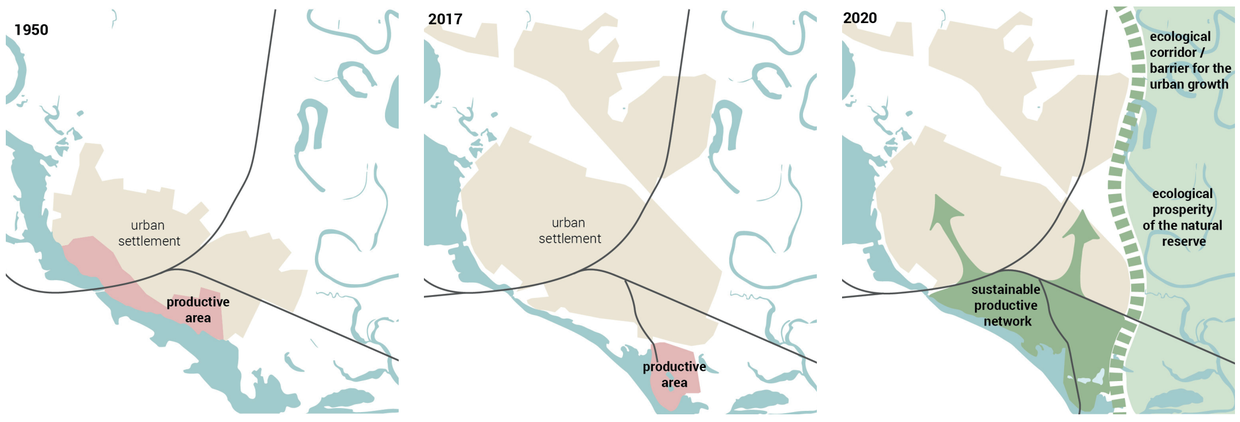
This connectivity consists on a series of corridors, some of them more complex - like the riverine park and the reinstalled wetland system - other simpler - like the urban ecological corridors system – having all of them connection, protection, recreational and productive functions. These corridors follow the Urban Development Plan for Lillestrøm, promoting mainly soft mobility, implementing a tram line to connect the whole city and creating two new connections to the other margin.

These connections bring the population closer to the natural heritage and to Nesa, promoting new dynamics and making Nesa a part of Lillestrøm - getting back part of its lost productive potential.

THE PRODUCTIVE CITY SYSTEM



PRODUCTIVITY IN LILLESTRØM OVER TIME - FROM CENTRAL ROLE TO PERIPHERAL LOCATION



STRATEGIC AREA'S MASTERPLAN

SCALE 1:5000

Plaza | At the end of the pedestrian bridge, connecting the city center with the riverine park

Cafeteria | Nice place to have some coffee overlooking the river and the wetland

Observatory, Leisure space, Fishing points | Away from the main path, these small piers are a great place to connect with the river

Playground | Recreational area where water is the main theme

Recreational area | Big lawn area, perfect to relax, read, play or do whatever you want!

Amphitheatre | Informal area creating opportunities for different uses, integrated using the natural landscape morphology

Pedestrian bridge Observatory Cafeteria | Soft mobility connection with the other margin The great view and the viewpoint area in the other side will attract you!

Harbor, harbor support, Bar | Improvement of the harbor, adapting it to a new structure and adding a bar, boosting the park's dynamics

Main Pathway | Soft mobility path connecting Lillestrøm's west side, the park and Nesa. It is an elevated walkway, crossing meadows, wetlands and the river.

Wetlands | Reinstallment of the wetlands, for flood risk protection and to increase biodiversity

Industry Area | Productive area integrated in a new urban reality and coherent with it's ecological situation

Main car road Observatory | Connecting Nesa with the surroundings, increasing urban dynamics. Viewpoint to Svellet

Ecological corridor Pathways | Connecting urban areas/creating an ecological structure

Playing field | Reacreational field inside a green corridor

Housing area | Housing block similar to the ones in its surroundings

Business area | Center zone with leisure and commerce

Business area | Transition from a housing area to diferent uses in South Nesa

Business area | Main trade / services / office area of Nesa

Housing and Business area | Mixed use area

Housing area | Residential area limiting the urban perimeter

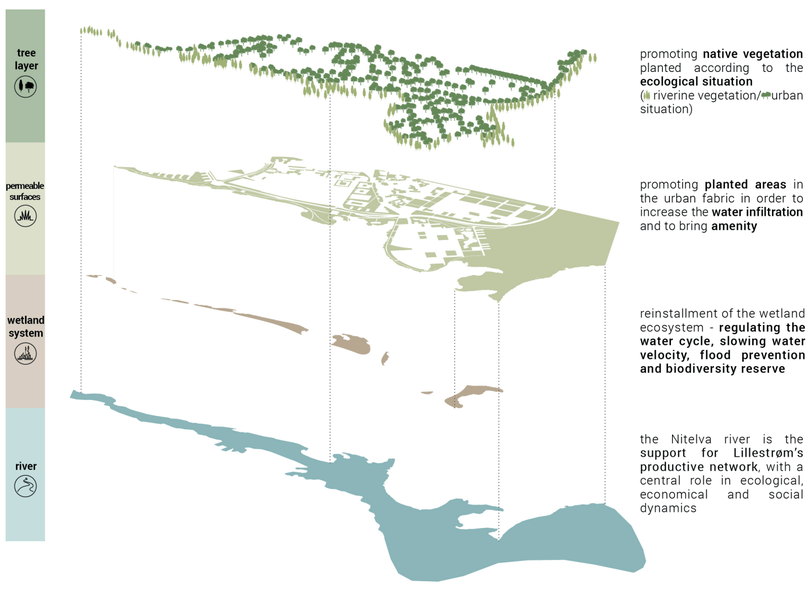
Sørumsneset protection edge | Limit of urban developement

Lake park | Main recreational area of Nesa

Housing and Workshops area | Mixed use area

Housing and Commercial area | Mixed use area

ECOLOGICAL STRUCTURE



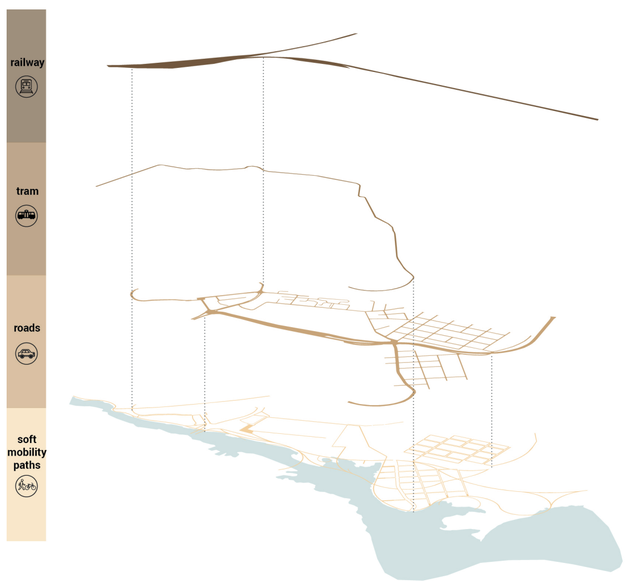
promoting **native vegetation** planted according to the **ecological situation** (riverine vegetation/urban situation)

promoting **planted areas** in the urban fabric in order to increase the **water infiltration** and to bring **amenity**

reinstallment of the wetland ecosystem - **regulating the water cycle, slowing water velocity, flood prevention and biodiversity reserve**

the Nitelva river is the **support for Lillestrøm's productive network**, with a central role in ecological, economical and social dynamics

MOBILITY STRUCTURE



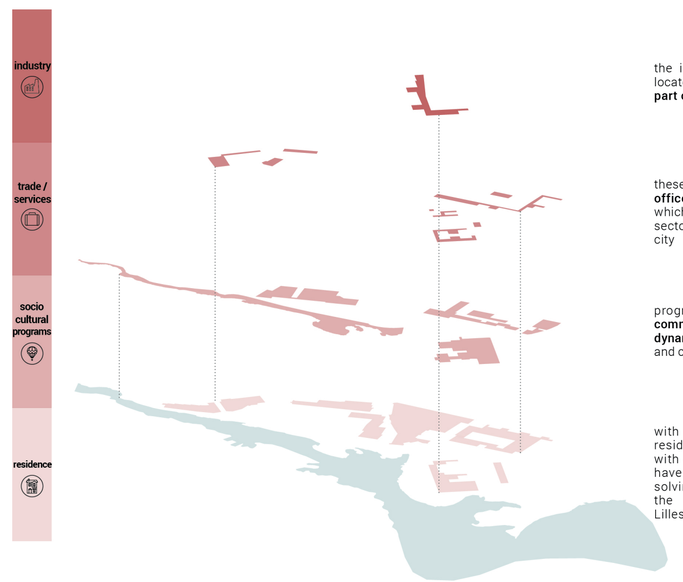
the railway is a very important way of **connecting Lillestrøm to Oslo**

a new tram line **connecting Nesa to the city center** will be fundamental to create new dynamics between these two points

to potentiate the productivity in Nesa, we propose a **bridge** connecting it to the other margin, serving private and public transportation

the soft mobility network becomes the **most complex** of Lillestrøm, including a bridge and a path in Sørumsneset dedicated to this type of mobility

CULTURAL STRUCTURE

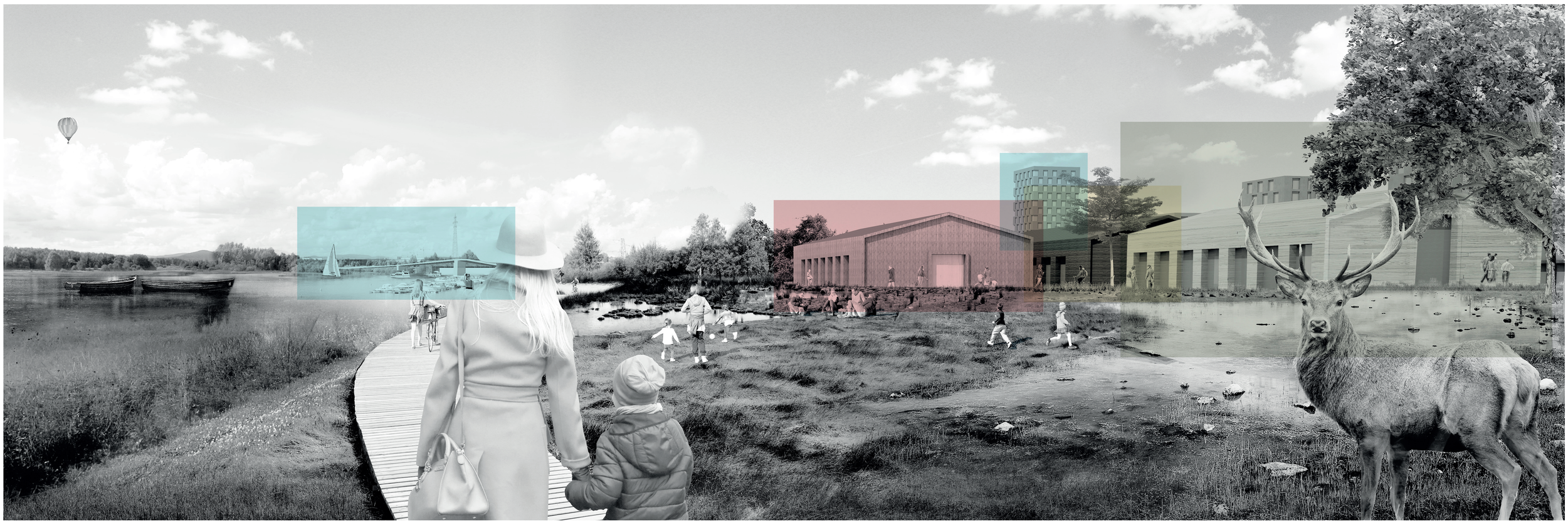


the industrial area is now located only in the **western part of Nesa**

these include mainly **offices and public services**, which are very important sectors in the productive city

programs dedicated to the **community and the social dynamics**, promoting leisure and cultural activities

with 65.000m² of new residential areas (mixed with other uses) Nesa will have an important role solving (although partially) the housing needs in Lillestrøm



LILLESTRØM (NO)

2. THE TRANSITION AREAS ARE THE MOST PRODUCTIVE ONES

SLØW STREAM

NESA AS AN ANCHOR POINT

Nesa's productive identity will be based not only in its program, but also in its ecological situation. It is the transition point between the river, the park, the city, the industry and the natural reserve, and ecology describes these areas as the ones with more biological activity, meaning the most productive ones. These dynamics will be brought inside Nesa through two main ecological corridors. The 1st one is a green belt that surrounds Nesa and has several materializations. In the southern and western border, it is a riparian vegetation corridor and a wetland system, that provides flood prevention and protection. In the Northern border it is a green corridor that protects from the wind, pollution and noise from the main road. In the Eastern border its a native vegetation area, that limits the urban expansion and protects the natural reserve. The 2nd ecological corridor is the central one, which tears the urban fabric apart, creating a soft mobility path, flanked by several water features - symbolizing a river branch that brought fertility to the new settlement – vegetation and several public infrastructures.

The program also reflects this diversity, bringing, besides the much needed residential function, several productive infrastructures. It consists mainly on mixed use blocks, where different productive activities are predominant, coexisting with residence. Besides the most "traditionally productive" programs - such as the industry, workshops, greenhouses, transformation center (food and other raw materials processing platform), market, offices, services, tram station - there are a lot of other infrastructures that contribute to the productive neighborhood. As, in our perspective, productivity is in the complexity and diversity of the interactions between social, environmental and economical dynamics, all the other Nesa programs - such as the school, sports facilities, library, recreational center, cultural center, natural reserve interpretative center, public plazas, lake park – contribute to Nesa's productivity.

CONTINUITY IN NESA



SUN / WIND EXPOSURE IN NESA



PROJECT SITE

NESA SOUTH

Pedestrian bridge / Observatory | Connecting both riversides by promoting soft mobility. It's at the same time a great spot to enjoy the landscape!

Amphitheatre | Multifunctional area, stimulating leisure and cultural activities and complementing Norway Trade Fair's offers

Playground | Space to experiment, play and discover. Water is the main theme. Children of all ages can enjoy it

Wetlands | Reinstallment of the primordial ecosystem. Natural protection from the floods

Bar / Pier support | Rehabilitation and improvement of the existent service. Promotes the relation with the river

Housing / Cultural center | Residential plaza. Promotes educative and cultural activities

Housing / Library | Residential plaza with an educative element. Promotes social dynamics

Main pathway | This soft mobility corridor tears the urban tissue and is always flanked by trees, lakes and fun activities

Peripheral pathway | Lower area with a ludic and recreational pathway. Green belt fundamental for flood protection.

Industry | The buildings reflect Lillestrom's identity, and the new infrastructures are adapted to the ecological situation

Main car road, / Observatory | Road with great view to the landscape. Main connection

Greenhouses, Workshops, / Transformation center | Create the opportunity for new businesses

Observatory, Leisure / space, Fishing point | Multifunctional zone. Visual and physical connection with the landscape

Tram station, services / and work spaces | Promoting employment and urban dynamics

Sports plaza / Dynea tower | Nesa's entry with an identity landmark and a public structure for the whole city

Services and work spaces / Cafeteria | Block with several public services

Sports pavilion | Public structure for sports related activities, with educational and recreational purposes

Protective green edge | Noise, pollution and wind protection and an opportunity to connect both sides of Nesa

Playground, Community center, Market, / Cafeteria, Interpretative center | Freshness zone

Housing | Housing area restraining the urban development

Sørumsneset Natural Reserve | Conecting Lillestrøm to the natural heritage

Sørumsneset protection edge | Protective barrier against urban developement

Sørumsneset pathway entry | Conects Lillestrøm with the reserve through a recreational circular pathway

School | Promoting education, creativity and cultural identity

Housing, Trade, / Art gallery, kiosk | Dynamic plaza crossed by a green corridor

Housing | Buildings create an intimate plaza, with visual and physical connections to the neighborhood and the river

