TILBURG Corridors as an adaptable framework spatial form that they interact with.

Literature Keview

Climate Change and Tilburg Regional Context Urban Growth in Tilburg

Map Analysis

andscape and Social Infrastruct

Economic Infrastructure

City Structure

Heirarchy & Typology of Corrido

framework

fects of climate change alo

corridors in Tilburg

sign guidelines to mitigate th

'Our choices in Urbanism, will define not only the physical nature of our communities but Going forward solutions that demand a will also prescribe out environmental footprint conservative use of current resources while Netherlands.

Effects of Climate Change in Tilburg

Urbanism as a Green Solution

Urbanism is at the intersection

transition, social opportunities

and economic growth intersect in urban areas and can

e addressed through designing an adaptable urban form. Urbanism can be used a tool to introduce a conservation mechanism in a city as well as impact a lifestyle

change for its residents. Sustainable design ap-

proaches that make systems more comprehensive are

the solution to battle climate

solutions emphasize the need

of creating environments that can adapt to unforeseeable

change going forward. At the crux of it, these design

of green solutions to battle climate change. Energy

Urban Heat Island Effect

as well as frame our social opportunities and pushing consumers to change their habits

planners to reinforce the complex system change, job growth, and environmental as well as a lifestyle change. Through urban able changes in the future. An interpretation of corridors as an adaptive framework in cities is explored within the context of Tilburg,

Increased Precipitation

Energy Transition

Economic Growth

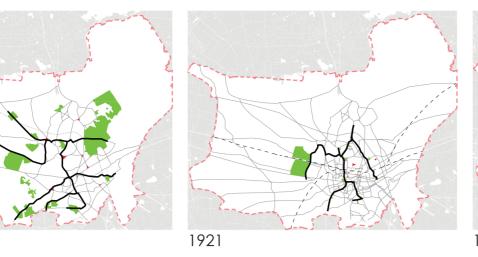
Conservation Strategy

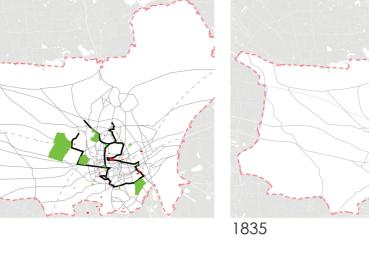
Landscape and Social Infrastructure

Social Infrastructure Landscape





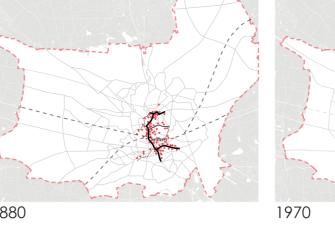


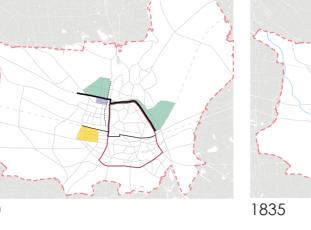


Economic Infrastructure

Heavy Industries
Light Industries

Education

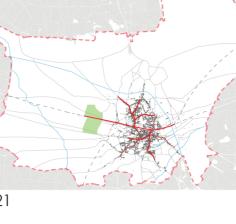


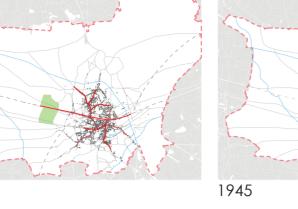


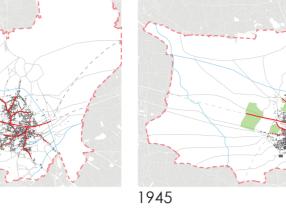
City Structure

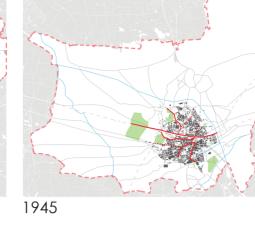
Using corridors to integrate

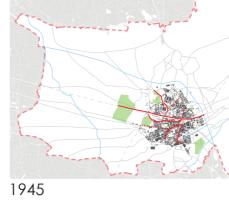
varying land uses

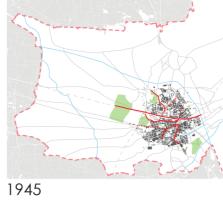


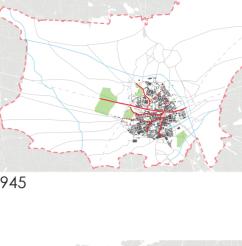


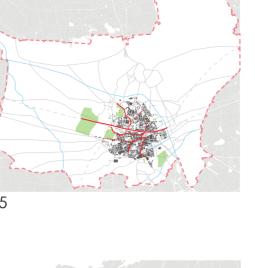


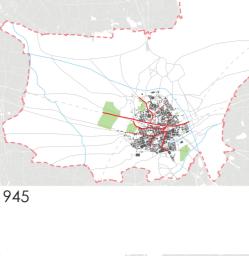


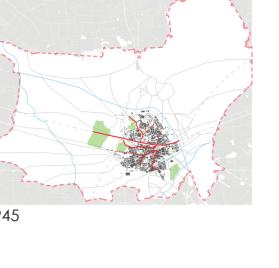




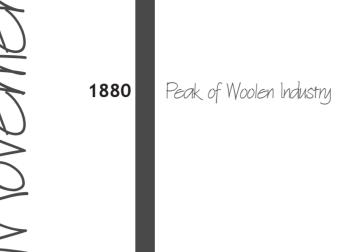












Geneente TLBURG



Ringbaan network was completed ersification of Economic Activities leading to growth and expansion of the city

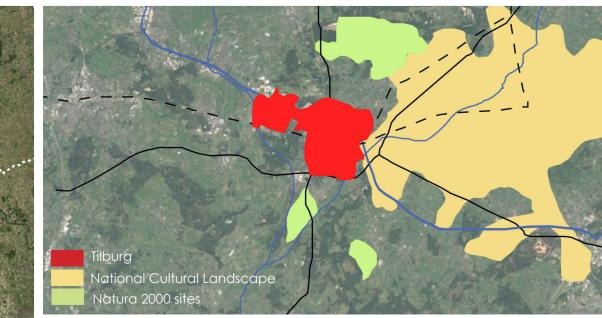
dustrial Economy and Logistics Hub



largest city in the Netherlands. As Tilburg is centrally located among enjoys the advantage of being well connected to neighboring cities and serves as a logistics hub in the region.



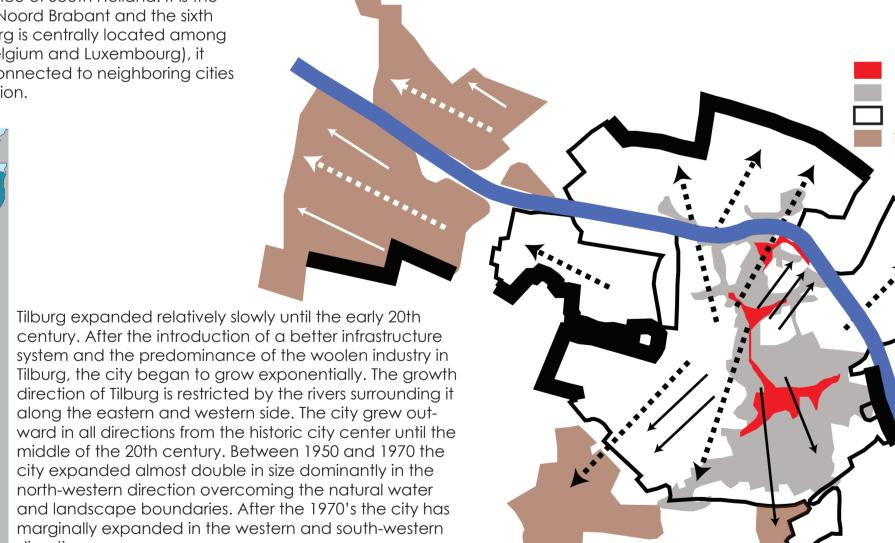
Tilburg expanded relatively slowly until the early 20th century. After the introduction of a better infrastructure system and the predominance of the woolen industry in Tilburg, the city began to grow exponentially. The growth direction of Tilburg is restricted by the rivers surrounding it along the eastern and western side. The city grew outward in all directions from the historic city center until the middle of the 20th century. Between 1950 and 1970 the city expanded almost double in size dominantly in the north-western direction overcoming the natural water and landscape boundaries. After the 1970's the city has



Top: Regional Landscape

Urban Edge

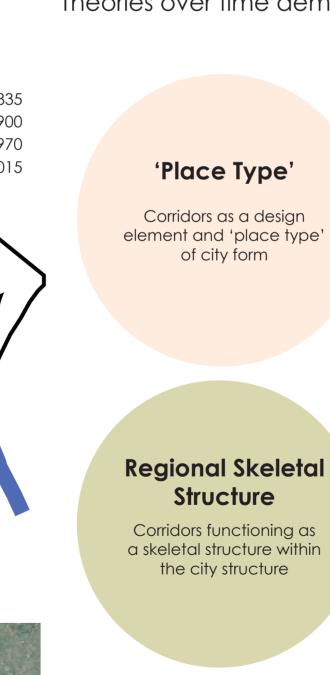
Tilburg is a city in Noord Brabant province of South Holland. It is the second largest city in the province of Noord Brabant and the sixth the Benelux countries (Netherlands, Belgium and Luxembourg), it



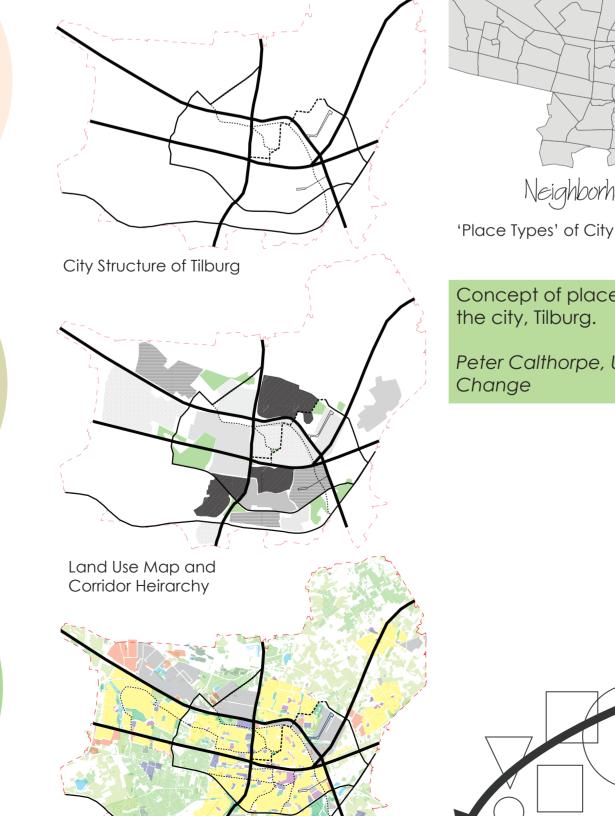
Left: Connectivity to surrounding cities

Corridors as a diverse framework

Road network of Tilburg



Corridors as a tool to integrate varying land uses and functions



'Place Types' of City Form rridors are used to move between spaces in ne city. It is the primary way in which 'users' ex Concept of place types as design elements of erience the city. nard Sennet, The Open City Peter Calthorpe, Urbanism in the Age of Climate Corridors defining movement in the city Diversity of land use and their integration is the basis for successful design in cities. Jane Jacobs, The Death and Life of Great American Cities Using corridors as a tool for

Designing a framework for adaptation

- Transport Network Management

Services and Goods Provision

Increase capacity to store excess water ntroduce Retention Ponds Attention to transportation infrastructure





Energy and Water Infrastructure and Management - Transport Infrastructure

 Increase drainage capacity - Create more water buffers Plant trees with larger canopies

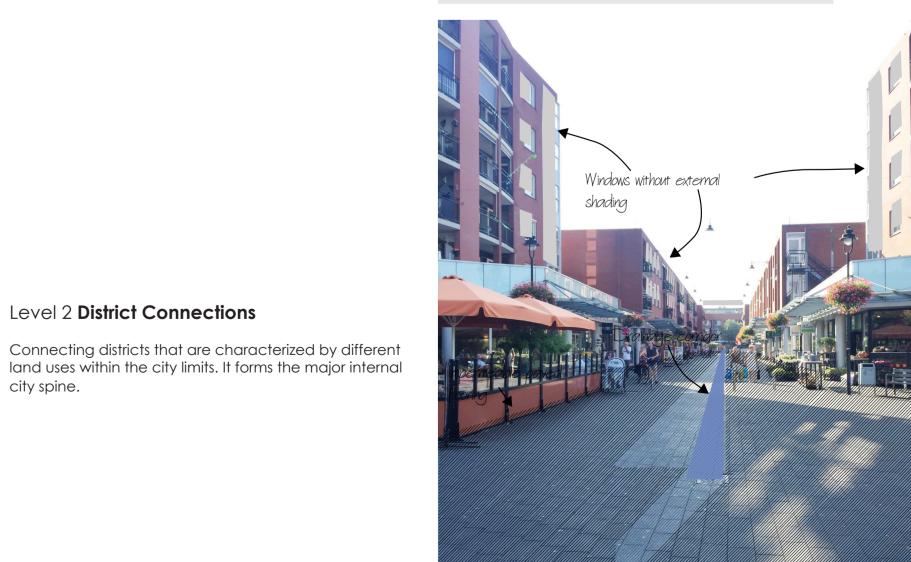


Level 2 District Connections

- Everyday interaction with the city Increase amount of permeable surfaces - Install more shading devices especially in

Link private and public

- Improve opportunities for interaction by designing more intimate public spaces



evel 3 Neighborhoods Connections

Inner streets connecting public and private space within neighborhoods. They connect to district roads which in turn link the regional connections in the city.

1981 - 2016

Population rise and city expansion

'Tilburg Modern Industrial City'

Tilburg University advances

Canal through Tilburg

Rise of the woolen industry

Introduction of the railway