TRACTEBEL
ENGIE

TERRITORIAL TRANSITIONS

Urban Development

Transforms territories through spatial and temporal transition strategies and interventions

Tractebel is a worldwide multidisciplinary engineering, consultancy and design firm working on a wide range of projects in geographies around the world. Every day our teams of engineers, consultants and designers feel the need for a more sustainable urban development to build a better world for all, today and in the future. Therefore we developed together 11 integrated approaches for cities and territories; they represent the needs and interests of cities and citizens and aim to provide solutions to key global challenges.

why?

Complex urban projects are crucial for the future of cities and regions: they offer great opportunities for change and development. At the same time they represent a high risk as they can often go off the rails with regard to their environmental-social-economic impact. **The past build-as-usual way of dealing with these complex projects has failed** for many reasons: the engineering mono-dimensional approach, the research of instant solutions, over optimism about the expected results, underestimation of complexity and the top-down approach. **The complexity of contemporary societies and the dominant characteristic of uncertainty we live with question the effectiveness of big infrastructural and urban projects or plans**. The future or direction of major trends in urban development – such as transport transitions (AVs, EV, demand-responsive transport), travel demand, innovation speed (risk of obsolescence), citizen behaviour and technology acceptance – are highly uncertain and difficult to predict. The inclusion of the notion of time and transition is therefore essential for the success of such complex projects today.

what?

Territorial Transitions is a holistic approach that focus on a **step-by-step transformation of territories and cities**. It can apply to different scales, varying from buildings to infrastructures and urban areas, landscapes and regions. At its core, there is the inclusion of the notion of time in the definition of future spatial strategies and transformations making it a medium to generate both solutions for urgent issues and **new narratives and values for the future**.

Territorial Transitions integrates different disciplines to develop **design proposal or strategies able to deal with uncertainties** (concerning major issues as climate change, economic, demographic, urban developments) **and disruptive changes**.

Creative experiments, a trial-and-error attitude, the definition of different spatial scenarios and collaborative workshop with stakeholders and local communities are recurrent elements of our work method related to Territorial Transitions.

Fly Over B401, Gent

Desigining in collaboration with the city and citizens a transition of the fly over in Ghent to become key of a more sustainable urban neigbhourhood with less car traffic and more space for green and blue and a vital public space.
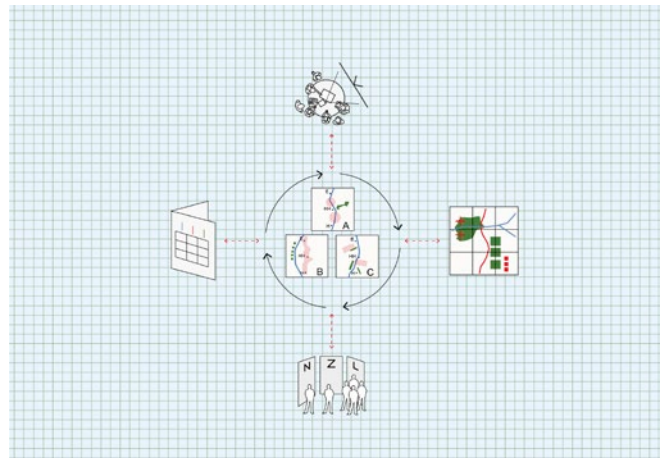
Noord Zuid Limburg, Limburg region

A mobility transition of the region is launched, focused on the development of a high performant multimodal network and the strategic positioning of urban programs within this network, which will generate a shift of the urbanized territory to more sustainable modes of traffic and a more sustainable way of life.
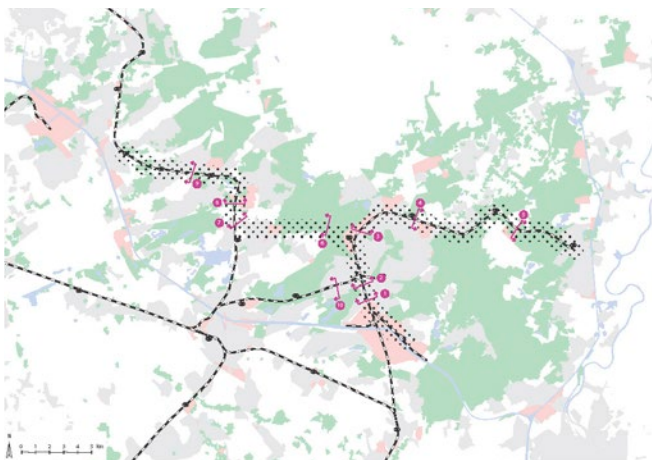
Kolenspoor, Limburg region

The abandoned Coaltrack is set in a transition towards becoming a vital backbone for the region. Boasted by an innovative mobility system the Coaltrack will transform in Coaltrack City - Coaltrack Land where economic development goes hand in hand with social innovation and the enhancement of the specific ecological and landscape values of the region.

N60, Ronse

The N60 is transformed into a ring road around Ronse to meet regional mobility demands. At the same time the project is conceived as a trigger to solve local issues (eg flood problems) and create added value for the local environment (eg creating a new development framework for the peripheral area).

10 other integrated approaches to discover

| Urban Resilience | Productive Landscapes | Places of Mobility | Water Urbanism | Eco-Districts | Recycling Territories | Smart Infrastructure | Civic Architecture | Sustainability @Work | Digital Urban Solutions |

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