



RECYCLING TERRITORIES

Urban Development

Re-activates
abandoned sites,
infrastructures and
buildings into vital
places

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?

The rapid rate of urbanization of the last decades has resulted in a massive expansion of urban territories. This process led to the **destruction of green fields and the abandonment or degradation of outdated sites in cities**. These sites include both badly polluted brown fields (old industrial sites) as well as urban neighborhoods with an obsolete building fabric or infrastructural assets. They represent a **potential threat to the health and well-being of the inhabitants and the environment**.

The high recycling cost can only be cost-efficient and culturally relevant when the redevelopment is integrated into a broader strategy of transformation considering their site-specific spatial, ecological and socioeconomic dimensions.

what?

Recycling Territories focuses on the processes behind the redevelopment and re-territorialisation of human settlements, from neighborhoods to cities and territories. It's **an essential point of view that cross-scales and thematically addresses contemporary urban questions surrounding the environmental and social crisis**.

Recycling Territories integrates different disciplines to develop site-specific strategies, projects and tactical actions that foster the re-activation of the site as a valuable part of the city.

Recycling Territories applies on many aspects of urban development projects including **brown-grey-green fields' development, soil-water-air remediation, design for climate-sensitive areas, energy strategies, water management in site redevelopment projects**.



Zigh Lake, Baku (Azerbaijan)

A polluted site is reclaimed, recycled and transformed into a vital urban park integrating remediation strategies and landscape design. The project re-activates the site starting from the assumption that a re-development can only be cost-efficient and culturally relevant when it's embedded in a broader urban strategy of transformation.



Boyukshor Lake, Baku

The design proposal defines an integrated strategy to recycle a heavily polluted site and convert it in a vibrant urban eco-district through a set of remediation operations, landscape operations and urban development strategies.



New Ghent

This urban development study provides a strategic and spatial framework for the revitalization of the neighborhood of 'New Ghent', focusing on the strengthening of the green living spaces and the re-activation of the existing buildings.



IGLO masterplan, Antwerp

A mono functional high-rise quarter on the left bank in Antwerp is transformed in a mixed use urban district. The public space structure is re-oriented via a new central street that becomes the new focus for the neighborhood. Major public facilities and public spaces are linked to this street.

10 other integrated approaches to discover

- Urban Resilience
- Productive Landscapes
- Places of Mobility
- Water Urbanism
- Eco-Districts
- Territorial Transitions
- Smart Networks
- Civic Architecture
- Sustainability @Work
- Digital Urban Solutions