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## Note

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### **Object      Initiative – Strategic – Master program: ‘Executive Master Resilient and Carbon-Neutral Cities’**

The Executive Master in Resilient and Carbon-Neutral Cities is a pioneering program designed to address the urgent challenges of climate change and urban resilience. This program, offered by the Université libre de Bruxelles (ULB) in collaboration with Tractebel, aims to equip professionals with the knowledge and skills needed to transform cities into sustainable, resilient, and carbon-neutral spaces. The program aligns with the European Green Deal and the Paris Agreement, focusing on the levers necessary to achieve carbon neutrality and enhance urban resilience.

#### **Program content**

The program is structured into eight comprehensive modules, each addressing critical aspects of urban resilience and carbon neutrality:

- Introduction to Resilient and Net Zero Cities: Understanding the fundamental concepts and challenges.
- Resources and Energy Dimensions in Urban Fabric: Exploring sustainable resource management and energy efficiency.
- Net Zero Approach: Strategies for achieving carbon neutrality.
- Resilient and Net Zero Methodologies and Tools: Practical tools and methodologies for implementation.
- Nature-Based Solutions and Green Infrastructure: Leveraging natural systems for urban resilience.
- Implementing and Financing Resilient and Net Zero Cities: Financial strategies and implementation frameworks.
- Integrative Seminar: Synthesizing knowledge through interactive workshops.
- Master Thesis: Conducting in-depth research on a relevant topic

The participants of the Executive Master in Resilient and Carbon-Neutral Cities program come from diverse backgrounds and sectors such as urban planning, engineering, environmental science and public policy, reflecting the interdisciplinary nature of the program. This diverse and motivated group of professionals contributes to a dynamic and enriching learning environment, fostering collaboration and innovation in the pursuit of resilient and carbon-neutral cities.

### Tractebel's Commitment

Tractebel plays a significant role in the Executive Master in Resilient and Carbon-Neutral Cities program. Here are the key contributions:

- **Scientific Preparation:** Tractebel collaborated with the Université libre de Bruxelles (ULB) in the scientific preparation of the program modules. This ensures that the curriculum is grounded in the latest research and practical applications in urban resilience and carbon neutrality
- **Expert Lectures:** Tractebel's experts deliver lectures within the program, sharing their knowledge and real-world examples of how to adapt to climate change in the energy and urban infrastructure sectors
- **Partnership:** The program is a result of a strong partnership between ULB and Tractebel, leveraging Tractebel's expertise in sustainable urban development and energy solutions to create a comprehensive educational experience
- **Practical Insights:** By providing concrete examples and case studies, Tractebel helps bridge the gap between theoretical knowledge and practical implementation, preparing participants to tackle real-world challenges in creating resilient and carbon-neutral cities

This collaboration highlights Tractebel's commitment to fostering education and innovation in sustainability and urban resilience.

### Conclusion

The Executive Master in Resilient and Carbon-Neutral Cities represents a significant step towards building sustainable urban environments. By equipping professionals with the necessary skills and knowledge, and through Tractebel's unwavering commitment to sustainability, this program contributes to the global effort to combat climate change and create resilient, carbon-neutral cities for the future.

### More information

Tractebel's website > [ULB and Tractebel: a dedicated program to innovate Urban Resilience and Carbon Neutrality | Tractebel](#)

ULB's website > [Executive Master in Resilient and Carbon Neutral Cities - ULB](#)