

THE 3RD INDUSTRIAL REVOLUTION

THE STRATEGY STUDY'S VISION FOR LUXEMBOURG IN THE YEAR 2050



MOBILITY

Luxembourg provides an intelligent, sustainable, cohesive, and resilient mobility and transport ecosystem for the benefit of its society and economy. The modal split has shifted with 30% of active mobility, 40% of public transports and 30% of individual cars. Mobility for passenger cars, public transports and last-mile logistics are now 100% emission-free.

PROSUMERS AND SOCIAL MODEL

Since people lie at the heart of the Third Industrial Revolution, Luxembourg has risen awareness and has familiarized its population with the holistic concept of TIR, including underlying principles like the collaborative commons, sustainability and circularity. New quality of life indicators have been implemented to better assess social, economic and environmental performance.



CIRCULAR ECONOMY

Luxembourg is the first circular nation, where new business models based on the product as a service principle have become standard. All public procurement are aligned around the circular economy. Contracts are performance-based. The country has developed know-how around eco-design and product life assessment and provides an adapted resilient infrastructure that promotes local renewable energy production, storage and sharing, short and local resource loops, a continuous water loop and reverse logistics.



BUILDING

Luxembourg has developed smart, green and circular buildings in an optimal shared and attractive district with zero energy or plus energy buildings, thereby reaching total circularity, with no more waste generated in the construction sector. Buildings are now flexible, serve multiple functions and contribute to ensure high quality of life by providing a healthy and sound environment. Urban design with lively public spaces, art and culture are prioritized. So are retrofitting and education and training.



ENERGY

Luxembourg exploits the total energy efficiency potential through the renovation of the building stock. According to COP21 agreements, the country now offers cleaner alternatives to oil exports and exploits the totality of its economically feasible renewable energy production potential which covers up to 70% of its total consumption. While still necessary, energy imports are continuing to decrease while nationally produced renewable energy is on the rise.



FINANCE

Luxembourg is a sustainable world-class financial hub at the vanguard of the digital revolution making transformation happen. As a resilient and diversified international financial sector servicing customers in Luxembourg, Europe and the world, Luxembourg has successfully incorporated the digital revolution into every aspect of its operations and activities, is highly adaptive and offers a world-class framework for data protection and infrastructure for e-service.



FOOD

Luxembourg provides a safe, high quality, transparent and sustainable food sector. Farming in nature's image has become a priority and the country has developed and settled its agriculture in a niche in order to achieve the goal of making 100% of Luxembourg's agriculture organic.



INDUSTRY

Luxembourg has become an internationally recognized platform for sustainable industrial excellence through innovative solutions and has developed an ecosystem that offers a fertile ground for the development of industrial products and services which are innovative, mindful of environmental impacts, thrifty in the use of the earth's limited resources and enable the transformation of the economy from a carbon fossil model to renewable energy.



SMART ECONOMY

Fully embracing the concept of smart economy, Luxembourg has reconciled its economy with the principles of sustainability through the use of ICT for inclusive growth, economic diversification and social empowerment. The overarching objectives of Luxembourg's smart economy are competitiveness and efficient use of resources, digital inclusion, "buy in" by society at large, sustainable growth and maintaining an inclusive social welfare model.

ARE YOU READY?

For more information: www.troisiemerevolutionindustrielle.lu

Sources: Ministère de l'Économie, Chambre de Commerce, IMS Luxembourg - Merkur Facts & Figures Infographic 01/2017 - design by h2a.lu