



Textile Recycling Innovation

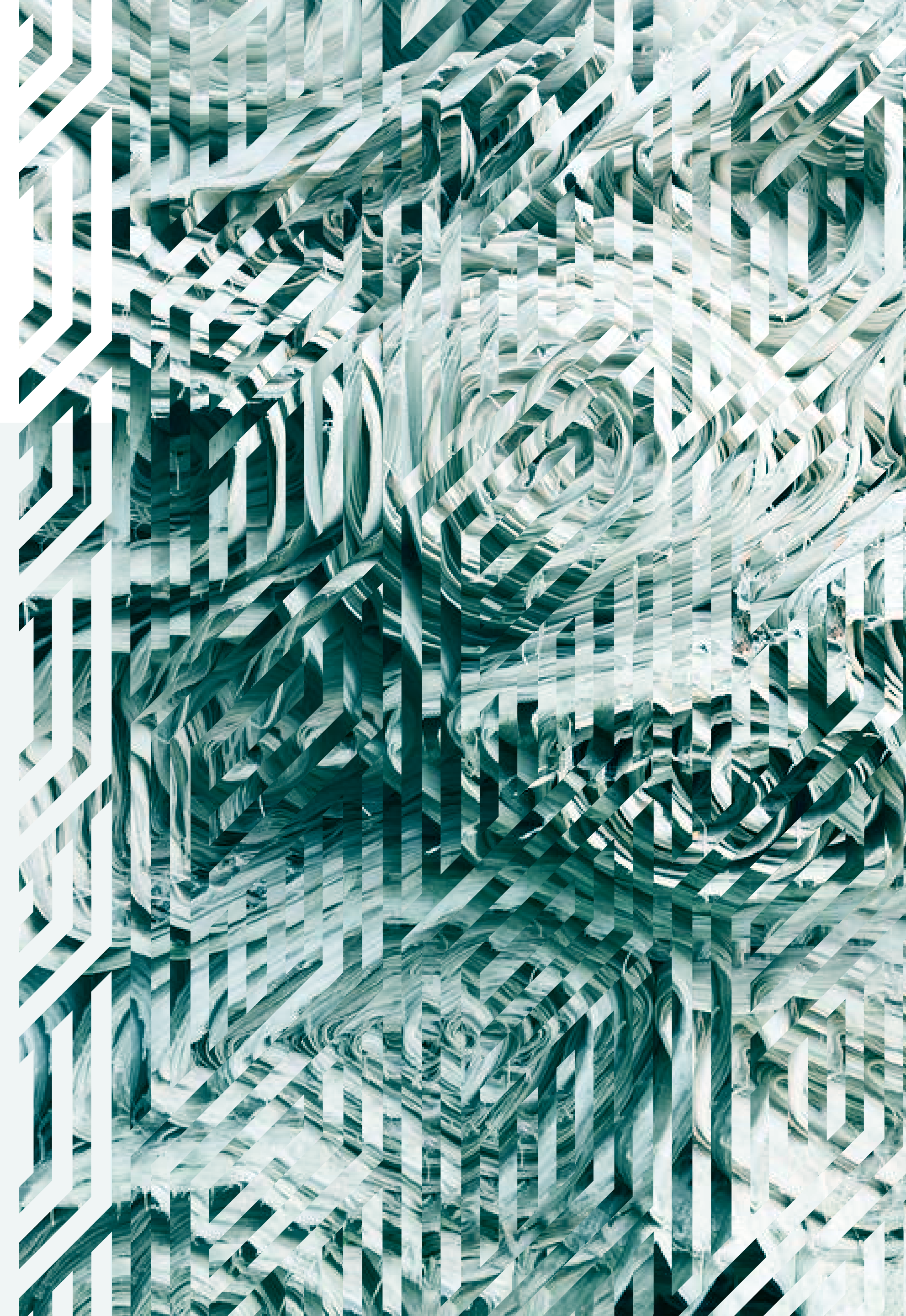


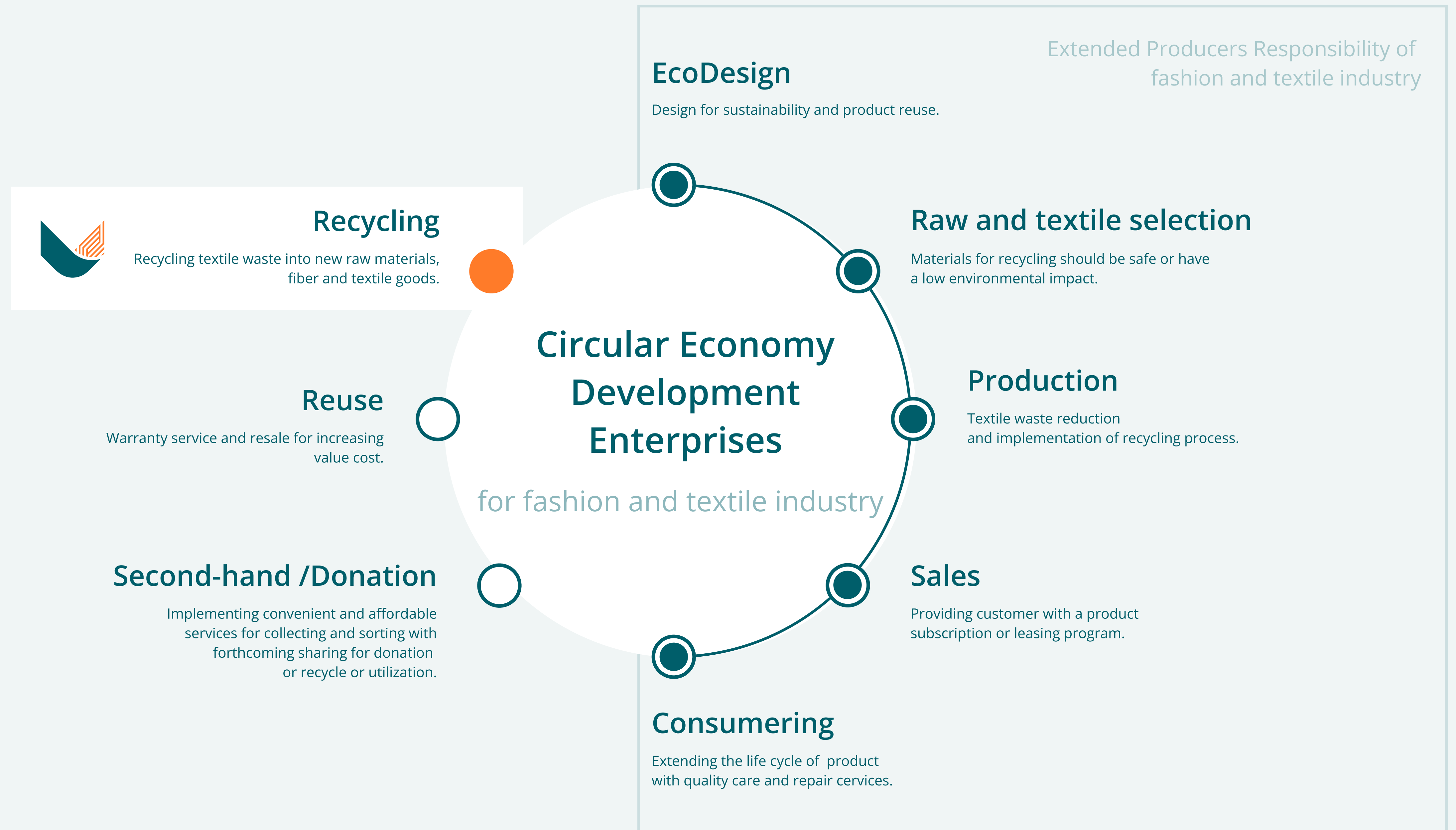


The circular economy is being actively implemented to protect the environment from textile waste and reduce the negative impact of the textile and fashion industry on ecology.

Circular economy requires the operation of cyclical business model

Instead of traditional linear business model that follows a “take-make-waste” scheme circular economy is a model of production and **reusing in order to extend the life cycle of products.**





Global society efficiently implement and develop circular economy

emphasizing sustainable use of natural resources.

Worldwide textile waste recycling company numbers rapidly expand.

Moreover state and government institutions engage waste utilization and support commercial recycle facilities.

Year **2025**

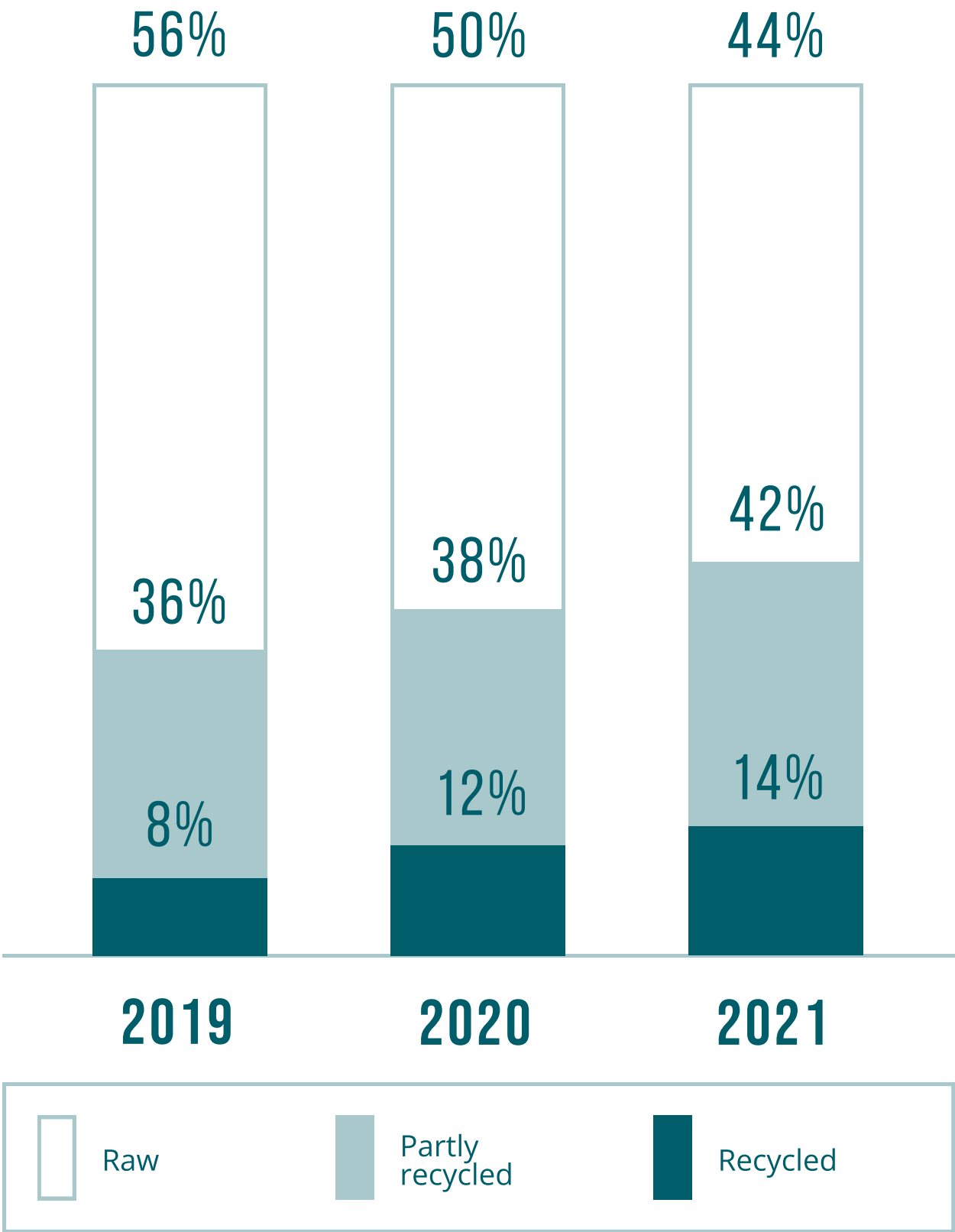
Action Plan for Circular Economy and Sustainability enters into force in EU



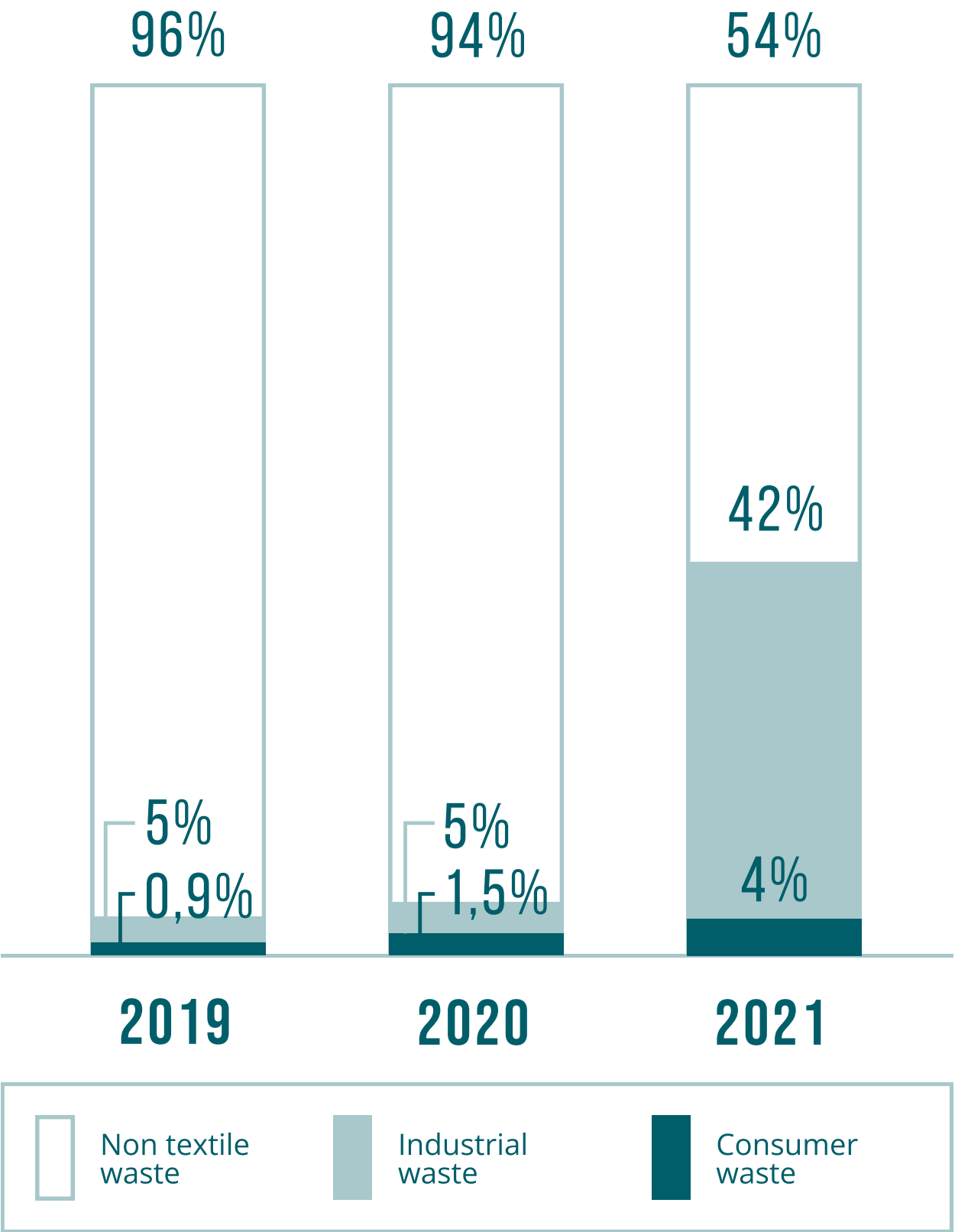
Ukrainian textile and fashion entrepreneurs **will be banned to export goods to EU** without textile waste certificate



Raw materials



Recycled materials



The recycling of textile waste is an undeniable global trend. According to Textile Exchange, from 2019 to 2021, the share of products containing recycled materials increased from 36 to 42%, and the share of products made entirely from secondary raw materials reached up to 14%.

However, share of processed industrial waste increase. Meanwhile, post-consumer textile stays significantly less involved in recycling.

Therefore, share of recycled textile waste used in the textile industry remains extremely small and mostly does not reuse back to textile production but is used by other sectors of the economy in an open-loop model. Our goal is to develop a closed-loop approach in the textile industry.



The company Re:inventex solves the problem of textile waste accumulation

We implement global trends in recycling by collaborating with the textile and fashion industries, government bodies, environmental organizations, and consumers to promote a culture of textile waste management.

Our mission

is to recycle textile waste into valuable resources, contributing to sustainable development and reducing the environmental impact

Our vision

is to become a leader in zero-waste textile recycling for a sustainable future

Re:inventex is creating infrastructure that ensures the collection, sorting, and recycling of textile waste. The company helps reduce the amount of waste requiring disposal by transforming it into raw materials for high-value-added products.

Production capacity

2500 T/YEAR

ensures resources saving of

2,9 MLN L
water

15 950 T
CO₂

88 925 MWT/H
electricity

5 MLN M²
landfill



ecology + economy + sustainability = Re:inventex



Environmental aspect

- economic development
- innovation growth
- attracting investment
- stimulating new markets
- creating added value



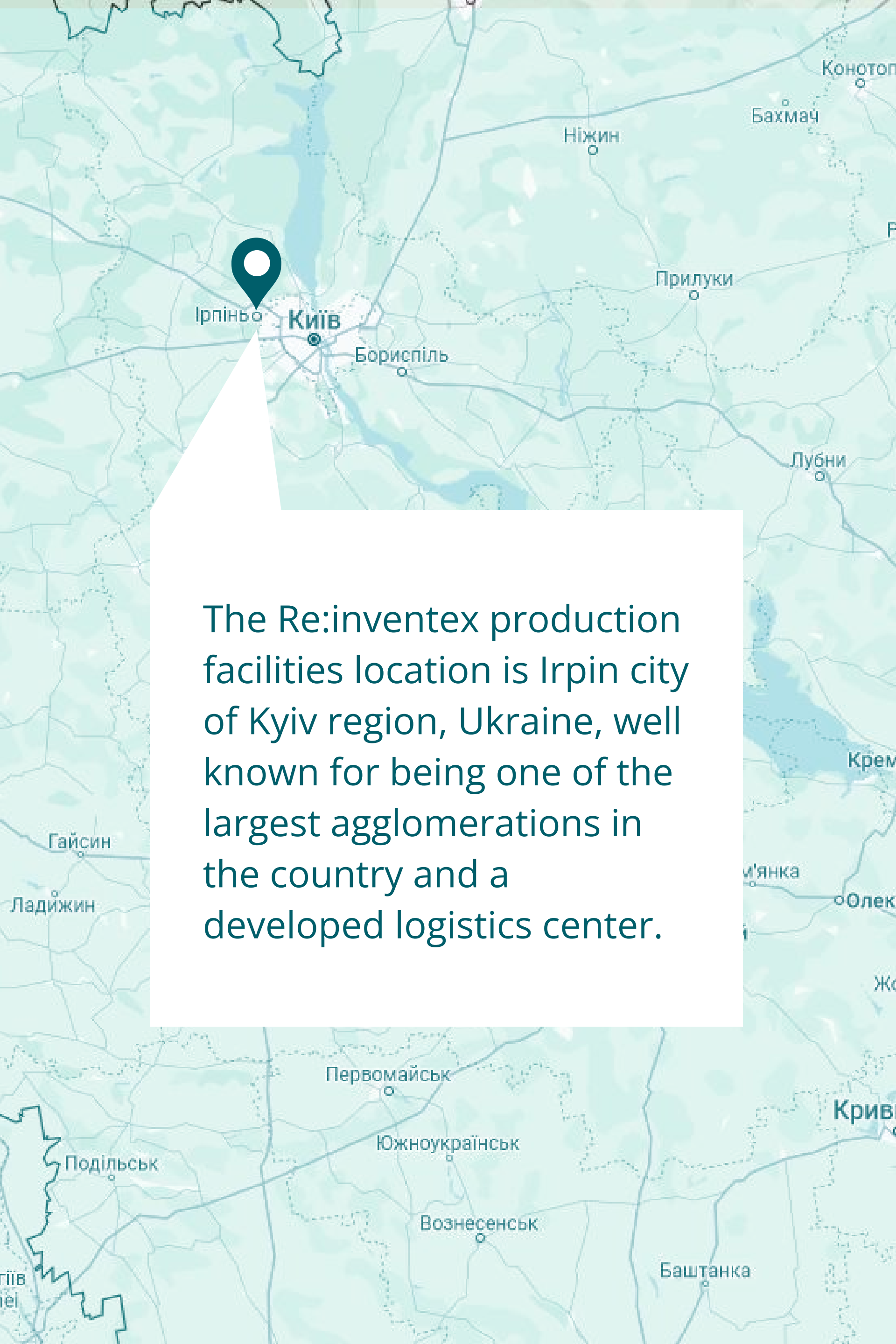
Economic aspects

- waste and landfill area reduction
- preservation of natural resources
- reduction of emissions into the atmosphere
- energy efficiency
- decreasing environmental impact



Social aspects

- job creation
- promotion of corporate social responsibility
- engaging the community
- development of technical skills
- educational function



We use mechanical recycling technology developed by the leading equipment manufacturers from EU.

Our production capacity currently stands at 2,500 tons. However, by 2027, we plan to scale the recycling up to 10,000 tons of materials per year.

up to **25%** of the whole weight of materials applied to textile production
turn into textile waste

the exact waste we collect, sort and recycle

Re:inventex produce following goods of recycle:

- recycled fiber
- non-woven
- ready made goods
branded merchandise, shopping bags, packages

**Re:inventex provide close-loop business model
in T&F industry in Ukraine**

Re:inventex was established by incorporating leading international experience in the area of textile waste recycling

The company is developing thanks to international and national grant programs, including the ePo6ora program by Diia, International Consulting for SMEs from the EBRD, as well as support from USAID, United For Ukraine, and other organizations.

We are grateful for the support of the Ministry of Economy of Ukraine, the Kyiv Regional Military Administration, the Ukrlegprom Association, and the Union of Ukrainian Entrepreneurs (SUP).



re:inventex

We are sincerely grateful for the support of our project! We are open to collaboration with everyone who is passionate about the development of circular business models, attracting investments to the industry, and raising awareness of conscious consumption. Today, more than ever, Ukraine needs a progressive economy based on technological innovations.

Let's join our efforts at the forefront of meaningful change together!

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