Re-leaf paper

Ukrainian start-up produces sustainable paper products from fallen leaves

Production of paper from fallen leaves.

RE-leaf scales the process of pulp production, which is based on the use of fibre from fallen leaves and in the future other types of fibre from agricultural waste. RE-leaf significantly reduced energy consumption due to a simplified method of fibre extraction, water consumption was reduced by 15 times and all processes are based on the use of chemical reagents free of sulfates, sulfites and chlorine, compared to conventional pulp production processes. The product created brings what was once considered waste back into the economic cycle and is itself recyclable. This provides RE-leaf customers with a guarantee that the company is not sourcing from controversial sources.

RE-leaf PAPER is made of fallen leaves coming to the enterprise from cities. This makes it possible to solve the problem of the utilization of plant waste in the urban ecosystem and preserve the integrity of forest ecosystems.

Started in 2017 as idea of the Ukrainian school pupil Valentyn Frechka, in 2019 a patent was obtained for the technology of recycling leaves with the subsequent production of paper. In 2020 RE-Leaf PAPER Research and Production Enterprise Limited Liability Company was set up, it moved from the laboratory to an industrial enterprise. The company was included in the list of members of the Enterprise Europe Network.

The products include:

- Re-leaf paper
- Re-leaf bag - leaf fibre combined with waste paper

- Re-leaf trays for packaging of food

Περισσότερες λεπτομέρειες

Πρόκληση η οποία αντιμετωπίζεται

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Όνομα χώρου

Δασική βιομηχανία, βιοκυκλική οικονομία

Έρευνα και ανάπτυξη

Τύπος λύσης

Έξυπνα υλικά

Λέξεις κλειδιά

renewable

paper

leaves

Ψηφιακή λύση

όχι

Καινοτομία

Ναι

Χώρα προέλευσης

Ουκρανία

Κλίμακα της εφαρμογής

Δια-συνοριακό / πολυμερές

Έτος έναρξης και λήξης

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Έργο για το οποίο έχει δημιουργηθεί το παρόν φύλλο πληροφοριών

Rosewood 4.0

Ημερομηνία δημοσίευσης

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Link to Rosewood 4.0

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