EGGER wood waste recycling



EGGER commissioned in Romania both a recycling facility at the production plant and public waste wood collection points to enable local waste wood flows.

Egger Romania invested in resource saving technology and included recycling in the process. Up to 18% of the wood used in Romanian factories are recycling material. They process waste wood from furniture, pallets, wooden packaging materials, construction and demolition, that meets the requirements of the applicable directives and inspection systems. The material is also inspected visually and contaminated wood is separated for thermal use. In Romania, the EGGER Group runs its own recycling enterprises under the name Timberpak.

Suitable recycled wood is processed there and used for chipboard production. Large volumes of by-products and recyclable wood are generated by the plants. The company upgrades them into materials or uses them to generate environmentally friendly heat and electricity. With EGGER wood-based materials, the company established good environmental performance of the urban wood material. The objective of a closed loop material cycle is, on the one hand, to reuse all waste and by products as efficiently as possible, and on the other hand, to make substances used in the product available again for production at the end of the product life cycle, by implementing optimal recycling. The possibility of a closed material cycle should be taken into account even during the preliminary stage of product planning in conjunction with product design. Re-use of materials that were already used in products and have passed through a usage phase. The great challenge is to separate materials so that they become again source materials for new products. The collection division of recycled wood and the recycling installation of wood from Romania are the EGGER's solution for a secondary, sustainable life cycle of materials based on wood.

The recycling wood quantities which were elaborated and recycled in 2016 by EGGER Romania replaced the potential of usage of 35,000 hectares of forests. The company has a unique wood recycling installation in Romania, dedicated and used exclusively for this purpose. At Romanian level, EGGER uses in average 17 % recycled wood for the production of panels based on wood in 2018. Last year, EGGER Romania reached a level of approximately 8 % and in the half of 2017, while in 2017 reach 15 % of recycled wood, and it was estimated a share of 17 % for the second half of 2017. The objective for 2020 is to recycle more

than 150,000 tonnes of materials based on wood, annually, equivalent to more than 30 % of the volume of wood from forest works, according to Ioan Banciu, technical director of EGGER Eastern Europe division.

Λεπτομέρειες

Προέλευση ξυλείας

Εργασίες αποδόμησης

Τύπος ξυλείας

Ανακυκλωμένη ή απόβλητη ξυλεία

Τύπος εμπλεκόμενης ξυλείας

Waste wood from furniture, pallets, wooden packaging materials, construction and demolition

Επιπτώσεις στο περιβάλλον και τη βιοποικιλότητα

Replaced the potential of usage of 50,000 hectares of forests in Romania

Δυνατότητες ειδοδήματος

N/A

Δυνατότητες για εκμετάλλευση

--

Κόμβος

--

Οικονομικός αντίκτυπος

24 mil € investment, cost effects 60 €/t

Ειδικές προαπαιτούμενες γνώσεις

Sustainable product management, basic materials and environment.

Δυνατότητες διακίνησης

100.000 tone/year

Δυναμικό βιωσιμότητας - Αξία

--

Ευκολία υλοποίησης

Medium

Ευκολία εφαρμογής - Αξιολόγηση

--

Βασικά προαπαιτούμενα

--

Τύπος εκδήλωσης στην οποία έχει παρουσιαστεί αυτός ο **BPI**

--

Δυνατότητες εργασίας

50

Κόστος υλοποίησης (ευρώ - **€**)

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Περισσότερες λεπτομέρειες

Πρόκληση η οποία αντιμετωπίζεται

6. Ανάπτυξη της δασικής βιοοικονομίας μέσω κυκλικής χρήσης και προϊόντων προστιθέμενης αξίας

Όνομα χώρου

Δασική βιομηχανία, βιοκυκλική οικονομία
Βιομηχανία ενεργειακής ξυλείας

Τύπος λύσης

Πλατφόρμες συνεργασίας, κόμβοι διαχείρισης υλικού/εφοδιαστικής

Λέξεις κλειδιά

recovered wood; waste wood; recycling; wood-based panels

Ψηφιακή λύση

όχι

Καινοτομία

Ναι

Χώρα προέλευσης

Ρουμανία

Κλίμακα της εφαρμογής

Εθνικό

Έτος έναρξης και λήξης

2016 - 2018

Στοιχεία επικοινωνίας

Ιδιοκτήτης ή συγγραφέας

EGGER Group

info-rau@egger.com

Αναφορεάς

InnovaWood asbl

Uwe Kies

uwe.kies@innovawood.eu

REFERENCES AND RESOURCES

Κύριος ιστότοπος

https://www.egger.com/shop/ro_RO/

Ιστότοπος έργου

www.woodcircus.eu

Αναφορά έργου

WoodCircus, Horizon 2020 no. 820892, 2018-2021

Πηγές

EGGER - Good practice factsheet WoodCircus

λογότυπο καλής πρακτικής

λογότυπο επικΕφαλής οργανισμού

Έργο για το οποίο έχει δημιουργηθεί το παρόν φύλλο πληροφοριών

Rosewood 4.0

Ημερομηνία δημοσίευσης

1 Οκτ 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY