Collection an use of urban wood waste



TEGA operates in urban public services area and initiated large campaign for wood residue collection in cities/villages in Covasna County. TEGA uses wood chips as fuel in its heating plant and provide heating for its workshops, offices. The capacity of the heat boiler is 200 kWt.
The idea was to collect wood residues from green areas. Collected wood residues are chopped and crushed and can be delivered for energy production. Types of collected waste wood: i.e. forest sanitation, gardening cuttings and cleaning operations. The types of biomass used are wood residues (barks, chips, branches).

Energy problems are so acute, that it is no longer possible to satisfy the local's constantly growing needs. This growth of energy demand must be increasingly satisfied by diversified energy sources, including sustainable and renewable resources. Biomass is a renewable energy option that can be practical and safe, can strengthen the circular economy, and can help ease the urgent strain on our planet's ecosystem.

TEGA company promotes and invests in acceleration of the entire biomass chain. The company members participate in collection, chipping activities and produce more than 500 m3 woodchips. They use this biomass material and valorize at the company. Moreover, training sessions on bioenergy issues, active involvement in local projects such as at waste collection actions TEGA company was actively involved.

DETALLES

ORIGEN DE LA MADERA

Paisajismo, bosques municipales

TIPO DE MADERA

Madera reciclada o de desecho

TIPO DE MADERA AFECTADA

Wood residuals, branches, barks, chips, old wreaths, christmas trees, etc

IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

TEGA S.A. focused on the economic sustainability of the initiatives based on the circular economic model.

EFECTO SOBRE LOS INGRESOS

The activity of the company is more sustainable by reducing the energy expenses

POTENCIAL DE EXPLOTACIóN

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HUB

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IMPACTO ECONóMICO

257 employees, Turnover 1 mil. €

CONOCIMIENTOS ESPECíFICOS NECESARIOS

POTENCIAL DE MOVILIZACIóN

500 m3 comparing to normal practice, affected area is 3400 km2

POTENCIAL DE SOSTENIBILIDAD - VALOR

--

FACILIDAD DE APLICACIóN

Easy

FACILIDAD DE IMPLEMENTACIóN - EVALUACIóN

--

PREREQUISITOS CLAVE

Urban wood waste to energy

TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

--

EFECTO SOBRE EL EMPLEO

20 new jobs

COSTES DE IMPLEMENTACIóN (EURO - €)

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MáS DETALLES

RETO ABORDADO

--

DOMINIO

Industria de la dendroenergía

TIPO DE SOLUCIóN

--

PALABRAS CLAVE

--

SOLUCIóN DIGITAL

No

INNOVACIóN

No

PAíS DE ORIGEN

Rumanía

ESCALA DE APLICACIóN

Local

AñO DE INICIO Y FIN

2010 -

REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

https://www.tega.ro/

SITIO WEB DEL PROYECTO

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REFERENCIA DEL PROYECTO

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RECURSOS

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PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood

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