

## Collection and 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 m<sup>3</sup> 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

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### 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.

### EFFECTO 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

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### FACILIDAD DE APLICACIÓN

Easy

### FACILIDAD DE IMPLEMENTACIÓN - EVALUACIÓN

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### PREREQUISITOS CLAVE

Urban wood waste to energy

### TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

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### EFFECTO SOBRE EL EMPLEO

20 new jobs

### COSTES DE IMPLEMENTACIÓN (EURO - €)

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## MÁS DETALLES

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### RETO ABORDADO

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### PALABRAS CLAVE

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### PAÍS DE ORIGEN

Rumanía

### DOMINIO

Industria de la dendroenergía

### SOLUCIÓN DIGITAL

No

### ESCALA DE APLICACIÓN

Local

### TIPO DE SOLUCIÓN

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### INNOVACIÓN

No

### AÑO DE INICIO Y FIN

2010 -

## REFERENCES AND RESOURCES

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### 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

FECHA DE MENSAJE

27 Sep 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

