

## 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.

## DETALHES

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### ORIGEM DA MADEIRA

Jardinagem, Áreas florestais municipais

### TIPO DE MADEIRA

Madeira reciclada ou resíduos

### TIPO DE MADEIRA EM CAUSA

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

### IMPACTE NO AMBIENTE E BIODIVERSIDADE

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

### IMPACTE NAS RECEITAS

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

### POTENCIAL DE EXPLORAÇÃO

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### HUB

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### IMPACTE ECONOMICO

257 employees, Turnover 1 mil. €

### CONHECIMENTOS ESPECIFICOS NECESSÁRIOS

### POTENCIAL DE MOBILIZAÇÃO

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

### SUSTENTABILIDADE POTENCIAL - VALOR

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### FACILIDADE DE IMPLEMENTAÇÃO

Easy

### FACILIDADE DE IMPLEMENTAÇÃO

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### PRE-REQUISITOS CHAVE

Urban wood waste to energy

### TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

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### IMPACTE NO EMPREGO

20 new jobs

### CUSTOS DE IMPLEMENTAÇÃO (EURO - EUR)

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## MAIS DETALHES

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### DESAFIO ABORDADO

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### PALAVRAS-CHAVE

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### PAÍS DE ORIGEM

Roménia

### DOMÍNIO

Industria da madeira para energia

### SOLUÇÃO DIGITAL

Não

### ESCALA DE APLICAÇÃO

Local

### TIPO DE SOLUÇÃO

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### INOVAÇÃO

Não

### ANO DE INÍCIO E FIM

2010 -

## REFERENCES AND RESOURCES

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### WEBSITE PRINCIPAL

<https://www.tega.ro/>

### WEBSITE DO PROJETO

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### REFERÊNCIA AO PROJETO

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### RECURSOS

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PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA

Rosewood

DATA DE ENTRADA

27 Set 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

