# 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.

## DETAILS

### ORIGIN OF WOOD

Landscaping, municipal woodlands

### TYPE OF WOOD

Recycled or waste wood

### KIND OF WOOD CONCERNED

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

### IMPACT ON ENVIRONMENT & BIODIVERSITY

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

### INCOME EFFECT

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

### EXPLOITATION POTENTIAL

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### HUB

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### ECONOMIC IMPACT

257 employees, Turnover 1 mil. €

### SPECIFIC KNOWLEDGE NEEDED

### MOBILIZATION POTENTIAL

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

### SUSTAINABILITY POTENTIAL - VALUE

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### EASE OF IMPLEMENTATION

Easy

### EASE OF IMPLEMENTATION - EVALUATION

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### KEY PREREQUISITES

Urban wood waste to energy

### TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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### JOB EFFECT

20 new jobs

### COSTS OF IMPLEMENTATION ( EURO - € )

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Biomass management, energy engeneering

## MORE DETAILS

**CHALLENGE ADDRESSED**

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**DOMAIN**

Wood energy industry

**TYPE OF SOLUTION**

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**KEYWORDS**

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**DIGITAL SOLUTION**

No

**INNOVATION**

No

**COUNTRY OF ORIGIN**

Romania

**SCALE OF APPLICATION**

Local

**START AND END YEAR**

2010 -

## REFERENCES AND RESOURCES

**MAIN WEBSITE**

https://www.tega.ro/

**PROJECT WEBSITE**

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**PROJECT REFERENCE**

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**RESOURCES**

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## PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

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## A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY