

## 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.

## DETTAGLI

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### ORIGINE DEL LEGNO

Landscaping, boschi comunali

### TIPO DI LEGNO

Legno riciclato o usato

### TIPO DI LEGNO IN QUESTIONE

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

### IMPATTO SULL'AMBIENTE E LA BIODIVERSITÀ

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

### EFFETTO SUL REDDITO

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

### POTENZIALE DI SFRUTTAMENTO

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### HUB

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### IMPATTO ECONOMICO

257 employees, Turnover 1 mil. €

### CONOSCENZE SPECIFICHE NECESSARIE

### POTENZIALE DI MOBILITAZIONE

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

### POTENZIALE SOSTENIBILITÀ - VALORE

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### FACILITÀ DI IMPLEMENTAZIONE

Easy

### FACILITÀ DI IMPLEMENTAZIONE - VALUTAZIONE

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### PREREQUISITI CHIAVE

Urban wood waste to energy

### TIPO DI EVENTO IN CUI QUESTO BPI È STATO PRESENTATO

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### EFFETTO SUL LAVORO

20 new jobs

### I COSTI DI ATTUAZIONE (EURO - €)

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## PIÙ DETTAGLI

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### SFIDA RISOLTA

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### DOMINIO

industria energetica del legno

### TIPO DI SOLUZIONE

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### PAROLE CHIAVE

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### SOLUZIONE DIGITALE

No

### INNOVAZIONE

No

### PAESE D'ORIGINE

Romania

### SCALA DI APPLICAZIONE

Local

### INIZIO E FINE ANNO

2010 -

## REFERENCES AND RESOURCES

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### SITO PRINCIPALE

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

### RISORSE

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### SITO WEB DEL PROGETTO

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### PROGETTO DI RIFERIMENTO

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PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA È STATA CREATA

Rosewood

DATA DI INSERIMENTO

27 Set 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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