# The "supermarket" of quality biomass

Since 2005 Cip Calor has focused on woody biomass. Careful to professionalism, safety and quality, the company has explored fields that were little known at the time. The sale of wood was accompanied by contracts for the supply of wood chips to public users and contracting activities. In 2010 it invested in the construction of an innovative biomass platform, today the company's nerve center, where firewood and wood chips can be produced and marketed in compliance with the quality standards required by the market and the relevant regulations. The advantages of this logistic-productive-commercial model are many. The organization and optimization of productivity has improved; thanks to the covered structure it is possible to work even in bad weather days; it is easier to manage the quality control system; the number of customers has increased, seeing in the platform a place characterized by a clear and transparent marketing; also interesting is the aspect of visibility and access to the platform at convenient times, where customers can observe and "touch" the work phases and the product they intend to buy. The platform has been designed in an optimal position for the management of the material: from about half of the wooded area that the company manages, it is even possible to cut the wood with a cable crane directly in the yard, with obvious logistical consequences. Excluding raw wood deposits all production activities are covered, below a 1,400 m2 ventilated structure. The main elements of the platform are: "Chipped" line: deposit for the wood chips to be dried; drier; mini co-generator for the production of electricity and heat; storage for dried wood chips. "Firewood" line: area used for cutting and splitting; roll-off bodies connected to the hot air exiting the co-generator; storage for firewood. Other structures: mini-sawmill for the production of manufactured goods; warehouse for the recovery of tools and staff rooms, heated to the floor with the heat recovered from the co-generator; commercial office.

## DETAILS

### ORIGIN OF WOOD

Forest

### TYPE OF WOOD

Stemwood

### KIND OF WOOD CONCERNED

"Wood chips: fir, pine, Firewood: chestnut, oak, beech"

### IMPACT ON ENVIRONMENT & BIODIVERSITY

The traceability of the raw material and compliance of good forest management is guaranteed by current regional and national legislation

### INCOME EFFECT

N/A

### EXPLOITATION POTENTIAL

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### HUB

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### ECONOMIC IMPACT

400-600.000 euro per year

### SPECIFIC KNOWLEDGE NEEDED

### MOBILIZATION POTENTIAL

4.000-5.000 t per year

### SUSTAINABILITY POTENTIAL - VALUE

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### EASE OF IMPLEMENTATION

Medium: huge investments are needed

### EASE OF IMPLEMENTATION - EVALUATION

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### KEY PREREQUISITES

Excellent knowledge of biomass trade centres.

Info: http://www.biomasstradecentre2.eu/Biomass-Trade-CentreII/

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

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### JOB EFFECT

10-12 employees

### COSTS OF IMPLEMENTATION ( EURO - € )

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Knowledge of current and potential local biomass market

## MORE DETAILS

CHALLENGE ADDRESSED

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DOMAIN

Harvesting, infrastructure, logistics

Forest-based bio/circular economy

TYPE OF SOLUTION

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KEYWORDS

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DIGITAL SOLUTION

No

INNOVATION

No

COUNTRY OF ORIGIN

Italy

SCALE OF APPLICATION

Regional/sub-national

START AND END YEAR

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## CONTACT DATA

OWNER OR AUTHOR

REPORTER

cipcalor@geroli.it

## REFERENCES AND RESOURCES

MAIN WEBSITE

http://www.cipcalor.it

RESOURCES

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PROJECT WEBSITE

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PROJECT REFERENCE

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## PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

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18 Sep 2019

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