

## CHP and Wood gasifier Plant

2013 -2014

### 1. Location: North Italy

- Plant configuration: 1 CHP unit + 1 gasifier unit . Possibility to sell all the thermal energy produced to an existing district heating
- Fuel: biomass
- Electrical power: 199 kW
- Thermal power: 250 kW
- Status: fully authorized - to be built
- Investment cost range: from 1.400.000 to 1.450.000 euro
- EBITDA range: from 248.000 to 260.000 euro
- Term: 20 years of FIT

### 2. Location: North Italy

- Plant configuration: 1 CHP unit + 1 gasifier unit . Possibility to sell all the thermal energy produced to an existing district heating. Part of the plant realized.
- Fuel: biomass
- Electrical power: 199 kW
- Thermal power: 250 kW
- Status: fully authorized - to be built
- Investment cost range: from 1.400.000 to 1.450.000 euro
- EBITDA range: from 248.000 to 260.000 euro
- Term: 20 years of FIT

## CHP and Wood gasifier Plant

2013 -2014

### 1. Location: North Italy

- Plant configuration: 5 CHP unit + 5 gasifier unit + district heating
- Fuel: Biomass
- Electrical power: 995 kW
- Thermal power: 1.250 kW
- Status: fully authorized - to be built
- Investment cost range : from 4.800.000 to 5.000.000 euro
- EBITDA range: from 700.000 to 750.000 euro
- Term: 20 years of FIT

### 2. Location: Center and south Italy

- Plant configuration: 1 CHP unit + 1 gasifier unit
- Number of plant: 5
- Fuel: Biomass
- Electrical power: 180 kW
- Thermal power: 250 kW
- Status: Authorization in progress
- Investment cost range for 1 plant: from 1.400.000 to 1.450.000 euro
- EBITDA range for 1 plant: from 248.000 to 260.000 euro
- Term: 20 years of FIT

## Hydroelectric Plant

2013 -2014

### 1. Location: North Italy

- Status: Commissioned from May 2013
- Plant configuration: 1 Pelton turbine
- Electrical power from Authorization: 335 kW
- Estimate electrical production: 2.278.000 kWh/year
- Authorization term: 20 years with automatic renewable
- Investment cost range : from 3.800.000 to 4.000.000 euro
- EBITDA: from 370.000 to 390.000 euro

### 2. Location: North Italy

- Number of plant: 3
- Plant status : 1 plant built , 2 plant authorized to be built
- Plant configuration: 1 Kaplan turbine, 2 Kaplan turbine, 2 dive turbine
- Electrical power from Authorization: 1 plant of 370 kW, 1 plant of 710 kW, 1 plant of 800 kW
- Estimate electrical production of 3 plants: 14.700.000 kWh/year
- Authorization: fully authorized
- Authorization term: 30 years with automatic renewable
- Investment cost range : from 17.600.000 to 18.000.000 euro
- EBITDA range: from 1.719.000 to 1.800.000 euro