



Green Power



Press
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ENEL GREEN POWER AND SECI ENERGIA INTRODUCE POWERCROP BIOMASS PROJECT AT CONFINDUSTRIA RAVENNA

- *The biomass plant will require an investment of 126 million euros and create some 300 job opportunities*
- *Annual power production is expected to meet the needs of 84 thousand households, therefore avoiding the atmospheric emission of 117 thousand tonnes of CO₂ each year*

Ravenna, March 20th, 2014 - **Enel Green Power** and **SECI Energia** introduced a project to construct a new Powercrop biomass plant in the town of Russi, near Ravenna, during a ceremony held at the local headquarters of Italy's industry association, **Confindustria Ravenna**. The event was an occasion for the companies in attendance to learn more about the new facility and, above all, how to participate in the calls for tenders to execute construction works.

The Russi plant, which will be built in an industrial area previously occupied by the Eridania sugar refinery, will require an investment of **126 million euros and create over 300** direct and indirect **jobs**, in addition to the 200 workers who will be building the plant. Total annual output is estimated at **222 GWh**, enough to meet the needs of **84 thousand households** and avoid the atmospheric emission of **117 thousand tonnes of CO₂** each year.

The biomass plant, with an installed power generation capacity of **30 MW**, will be fuelled by chipped virgin wood sourced locally, with an annual requirement of about **270 thousand tonnes** of fuel.

The biogas plant, with a power generation capacity of **1 MW** will require an annual volume of **18 thousand tonnes** of corn silage and **26 thousand tonnes** of pig manure from local producers, thereby avoiding what is sometimes uncontrolled disposal in the area.

The full development of local agricultural and forestry industries and the optimization of the use of prunings and agricultural waste enabled by the new plants is consistent with EU recommendations of local biomass as one of the main solutions for ensuring secure energy supplies and energy sustainability in Europe.



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Enel Green Power is the Enel Group company fully dedicated to the development and management of renewable energy sources at the international level, with operations in Europe and the Americas. The company generated over 29 billion kWh in 2013 from water, sun, wind and the Earth's heat - enough to meet the energy needs of more than 10 million households and avoid the emission of over 20 million tonnes of CO₂ into the atmosphere. Enel Green Power is a world leader in the sector thanks to its well-balanced generation mix, providing generation volumes well over the sector average. The company has an installed capacity of approximately 8,900 MW from a mix of sources including wind, solar, hydroelectric, geothermal, and biomass. Currently, the company has approximately 750 plants operating in 16 countries in Europe and the Americas.

SECI ENERGIA is the sub-holding company in which the equity holdings of the Maccaferri Group in the energy sector are concentrated, particularly those in renewable sources such as biomass, biogas, photovoltaic, wind, hydro and geothermal power and in energy recovery. In addition to Powercrop, SECI Energia oversees specific markets through Enerray, which builds turnkey photovoltaic systems installed on rooftops and on the ground and provides long-term maintenance for such systems; Sebigas, which specializes in the design, installation and management of biogas plants fed with agricultural biomasses, by-products of agro-industrial chains and manure; Exergy, which designs and supplies ORC (Organic Rankine Cycle) modules for combined electricity and heat generation. ORC technology uses low and medium-temperature heat sources that are otherwise unusable by recovering heat from the exhaust of engines, including those fired by biomass, turbines or industrial furnaces, low-enthalpy geothermal sources and concentrating solar power (CSP) systems.

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