Thermovoltaic Biomass Dryer

BASE has developed Cogen'Air, the first Thermovoltaic solar panel, capable of producing electricity and heat simultaneously. While a conventional solar panel converts only about 15 to 20% of the solar energy received into electricity, Cogen'Air produces 10% more electricity and 3 times more heat, for a total efficiency of more than 60%. This Thermovoltaic panel is therefore 4 times more efficient than a conventional solar panel. BASE designs and markets heat and electricity production solutions for agricultural drying activities and biomass drying activities. It also markets solutions for the energy efficiency of buildings: heating support, electricity and domestic hot water production. The main objectives are: - Provide innovative and cost-effective solar solutions to contribute to a sustainable society. - Guarantee a drying quality superior to that of open-air drying and allow the production of a fuel with constant characteristics specific to the needs of boilers. - Improve the value of wood by preserving the resource in particular. - Reduce stocks and the mass to be transported. - Achieve a higher PCI, reduce wood consumption, increase boiler life - Generate income from photovoltaic production. The dryers designed with Cogen'Air Thermovoltaic technology ensure a homogeneous and fast drying of the wood energy. The control system allows the dryer to operate optimally, based on numerous temperature and humidity sensors. These dryers make it possible to recycle wood waste and give it a second life. One of the BASE dryers is intended, for example, for the recovery and drying of crushed strains, dry chips that will then be marketed in supermarkets as firelighters. This product from the Cogen'Air drying process has a high PCI and is ideal for boilers. The electricity is resold and provides additional income to the operator.

DETALJI

PODRIJETLO DRVA

Radovi na dekonstrukciji

VRSTA DRVA

Deblo

ODGOVARAJUĆA VRSTA DRVA

Woody biomass, waste

UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST

No impact: solar panels are installed at the wood energy processing site

UČINAK NA PRIHOD

Reduction of logistics costs

POTENCIJAL ISKORISTIVOSTI

--

SREDIŠTE

--

GOSPODARSKI UČINAK

Additional income from photovoltaic energy production

POTREBNA POSEBNA ZNANJA

NA

POTENCIJAL ZA POVEĆANJE UPORABE DRVA

Technological innovation to increase the profitability of wood energy

POTENCIJAL ODRŽIVOSTI - VRIJEDNOST

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JEDNOSTAVNOST PROVEDBE

Easy

JEDNOSTAVNOST PROVEDBE - EVALUACIJA

--

KLJUČNI PREDUVJETI

NA

VRSTA DOGAĐAJA NA KOJEM JE PRIKAZAN OVAJ BPI

--

UČINAK NA ZAPOŠLJIVOST

NA

TROŠKOVI PROVEDBE (EURO - €)

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VIŠE DETALJA

IZAZOV

--

DOMENA

Sječa, infrastrutura, logistika

VRSTA RJEŠENJA

--

KLJUČNE RIJEČI

--

DIGITALNO RJEŠENJE

Ne

INOVACIJA

Da

ZEMLJA PODRIJETLA

Francuska

PODRUČJE PRIMJENE

Regionalno / podnacionalno

POČETAK I KRAJ GODINE

2009 -

KONTAKT PODATCI

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IZVJESTITELJ

REFERENCES AND RESOURCES

GLAVNA WEB STRANICA

http://www.base-innovation.com

IZVORI

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WEB STRANICA PROJEKTA

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REFERENCA PROJEKTA

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PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood

DATUM UNOSA

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