



SVIŁOSA BIOMASS **BULGARIA**

Sustainable, alternative energy from plant waste



Replacing steam and coal energy generation with biomass energy reduces the environmental impact of this pulp mill in Bulgaria. This supports improved energy security, improved air quality, better livelihoods in surrounding communities and the development of sustainable renewable energy industries.

The Context

The transition to clean energy in Bulgaria is an important step towards long lasting climate action. By promoting innovative technology in production industries such as wood, this transition can become a reality. The use of biomass as an alternative fuel is particularly innovative in pulp mills which create biomass waste in the production process. By installing biomass boiler technology, waste wood residue is recycled and clean energy is generated.

The Project

This project creates a renewable energy source using biomass residues from wood treatment in the Svilocell Pulp Mill in Bulgaria. This biomass is combusted in a specially designed biomass boiler to generate thermal energy in the form of water steam that in turn, fuels the production of pulp. With a thermal capacity of 19.73 MW, the biomass boiler displaces carbon dioxide that would have been produced from the burning of more carbon-intensive fuels.

The Benefits

By reducing greenhouse gas emissions in Bulgaria compared to the business-as-usual scenario, this project reduces CO₂ emissions and promotes sustainable energy alternatives in Bulgaria. It also reduces other pollutants from the atmosphere by reducing the plant's reliance on fossil fuel steam generation methods.

Reducing the amount of coal used for steam generation by recycling wood waste.



Gold Standard



19.73
MWh

of clean thermal energy generated by biomass boilers, a better alternative to coal heat generation



INDUSTRY

for sustainable energy alternatives is promoted by the sale of carbon credits



83,159
tCO₂e

reduced on average annually, by providing a low carbon alternative to fossil fuels

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: Svilosa Biomass Project | **UNFCCC/markit/VCS link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=103000000007278 | **UNFCCC/markit/VCS ID:** 7278 | **GS ID:** 3379

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