

GOOD PRACTICE EXAMPLE

Bioenergy Point Ltd.



BIOENERGYPOINT



1. General description of selected process or SCORPS

Bioenergy Point, a business company founded in 2007, is registered for business operations in the area of renewable energy sources. As a leader on the Serbian market, the company started the production of wood pellets in its newly built production plant in Boljevac, Eastern Serbia, in October 2008. The production plant's capacity is 35,000 tons per year. In present conditions, the company works round the clock, i.e. follows a 24/7 work schedule with 100% sales of its products, mainly to foreign markets. The most significant market is Italy. In addition, it exports to Greece, Albania and Macedonia. The company emphasizes the growth of domestic demand for pellets. Except for Belgrade power plants, which represent the rare few plants in Serbia that use pellets, the company is anticipating new domestic clients in this sector.

2. Why this process or SCORP was selected

This company has been selected as a best practice example because it is the biggest producer of pellets (its annual pellet production is bigger than the production of all other pellet manufacturers together), and, additionally, it is located in the Timok region, the area that was selected for analysis in this project.

3. Who is involved in this process or SCORP?

This process includes all employees who work in Bioenergy Point and SE "Srbijašume", auto transport operators, shippers, and pellet customers.

4. Technical description

Wood pellet are produced by grinding, drying, additional chopping and pressing the raw material (sawdust, wood chips, etc.). Since they are made of 100% wood, our pellets are denser and heavier, which results in slower and more uniform combustion, and this makes them highly efficient fuel. Production is carried out under controlled conditions in accordance with the DIN 51731 standard: diameter 6 mm, length up to 30 mm, humidity below 10% and density above 1.12 kg/dm³. One of the main advantages of the pellets is that the ash produced by burning is about 1%, and the energy value is more than 18 MJ per kilogram. The pellets are used in stoves and heating boilers, in houses and apartments, as well as for large consumers. The new equipment installed in the production plant was obtained in the Netherlands (CPM – presses), Germany (BRUKS-Kloeckner – chipper), Croatia (Seting – drying plants) and Slovenia (Robotika – packing machines).

5. Economic information

Total revenues in 2012 amounted to 5,217,528.00 €, while total expenditure amounted to 4,790,771.00 €. Profit before tax amounted to 43,958.00 €. Net profit after tax amounted to 39,865.00 €.

6. Environmental aspects

CO₂ emissions per household which is heated by fuel oil, coal or gas is 2500 - 5000kg for the season, and the emission of gases obtained by burning wood pellets is 0.03 kg/kWh and so insignificant and harmless that it does not even require a chimney but a hole in the wall through which a drain is derived.



7. Legal aspects

The use of biomass and wood pellets is not yet regulated by law in Serbia.

8. Socio-economic aspects

There are about 55 employees in total, 9 of them with university degrees, 3-4 with college degrees and about 40 workers with either secondary education or being low-skilled. In 2013, about 45.000 tons of wood pellets are planned to be produced, and in the coming years the construction of a new factory with new job openings is planned.

