Visit to a Biomethane Facility

The Sustainable Fuel Plant Zeeland

27 October 2023

Programme

10:00 – Departure by bus
Place Luxembourg – 1040 Brussels

12:00 – Arrival to **Sustainable Fuel Plant Zeeland** and welcome

12:15 – Presentation of the Plant

13:15 – Lunch on site and Q&A

13:45 – Visit of the Plant

14:30 – End of the visit
Group photo
Departure to Brussels

17:00 – Arrival in Brussels
Place Luxembourg – 1040 Brussels





About SFP Zeeland, Westdorpe

SFP Zeeland, located in the province of Zeeland in the Netherlands, is a state-of-the-art facility dedicated to producing renewable, high-quality biomethane from manure and organic residual materials.

Plant design

The storage capacity at SFP Zeeland, Westdorpe can accommodate large quantities of both liquid and solid feedstock, ensuring a steady supply of raw materials for the biogas production process. The liquid feedstock is stored in large tanks with a combined capacity of over 40.000 m3. The tanks are equipped with monitoring and control systems to ensure that the feedstock is stored safely and efficiently.

Similarly, the solid feedstock is stored in specially designed bunkers with a combined capacity of over 15.000 m3. The bunkers are carefully constructed, and the feedstock is monitored regularly to ensure that it remains in optimal condition for use in the biofuel production process.

Feedstock

The large capacity digesters – 9 digestor tanks of 10.000 m3 each - can handle a wide range of organic waste materials. This allows to offer a comprehensive waste management solution that not only produces biomethane but also reduces waste and carbon emissions.





Key figures production

One of the key features of SFP Zeeland is its remarkable uptime. The plant boasts an impressive 99% uptime, meaning that it operates almost continuously, with very little downtime for maintenance or repairs. This exceptional level of reliability ensures that the plant can produce a consistent supply of biomethane.

- **400,000 m3 of feedstock input (with a minimum of 50% manure)**
- **7,000 m3 of biogas per hour**
- **5,000 m3 of biomethane per hour (37 million Nm3 per year)**
- **20 kilotons per year of CO2 liquefaction**



Valorization of co-products

Digestate is processed on site. Liquid digestate is processed in the on-site water treatment plant, solid digestate is composted in composting tunnels.

End use

The biomethane is fed into the natural gas network where it then ends up at households and industry. Overall, SFP Zeeland is a state-of-the-art facility that is setting new standards in the biofuel industry.

More about the SFP: **Sustainable Fuel Plant B.V -** Register to the visit here.
More about the **Biomethane Industrial Partnership** and the **Study Tour** here.

Please contact the BIP Secretariat should you have any question about the visit or the Biomethane Industrial Partnership Tasks and Memberships:
Secretariat(at)bip-europe.eu.