



Visit to a Biomethane facility: the Sustainable Fuel Plant Zeeland

Draft programme of the visit (26 October 2023)

- 09:00 – Departure from Brussels (address TBC) to SFP Zeeland
- 11:00 – Arrival to the plant and welcome
- 11:15 – Plant visit (2 groups)
- 12:15 – Q&A and lunch
- 14:00 – End of the visit and departure to Brussels
- 16:00 – Arrival in 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 digester tanks of 10.000 m³ each - are capable of handling a wide range of organic waste materials. This allows to offer a comprehensive waste management solutions 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 is able to 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

Valorisation 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.](#)**
- **More updates about the visit will be published in the [European Biomethane Week page](#).**
- **Please contact Natalia Walczak at walczak@europeanbiogas.eu should you have any questions.**

