



# 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 (policy aspects and technical focus 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 m<sup>3</sup>. 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 m<sup>3</sup>. 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 m<sup>3</sup> 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 m<sup>3</sup> of feedstock input (with a minimum of 50% manure)
- 7,000 m<sup>3</sup> of biogas per hour
- 5,000 m<sup>3</sup> of biomethane per hour (37 million Nm<sup>3</sup> per year)
- 20 kilotons per year of CO<sub>2</sub> 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 [conference page](#).**
- **Please contact Ana Perez at [perez@europeanbiogas.eu](mailto:perez@europeanbiogas.eu) should you have any questions.**

