

storengy

With hydrogen to CO₂-neutral heavy transport

Waste logistics: Collection, disposal, incineration. Transporting waste consumes considerable energy and releases high emissions. Hydrogen is the environmentally friendly, economical and low-emission alternative.

Storengy offers a full
H₂ infrastructure service for heavy-duty vehicles
with green hydrogen



Consulting
& planning



Hydrogen
production



H₂ transport and
provision
Refuelling vehicles



Construction,
O & M
From electrolyzers
to H₂ filling stations


Storengy Deutschland GmbH | Zimmerstrasse 56 | 10117 Berlin | T 030 288834-0 | F 030 288834-109
wasserstoff@storengy.de | www.storengy.de |   

A company of 

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Hydrogen drive as efficient cycle

Waste-to-energy plant

Alternative/supplement:
ENGIE green power | 

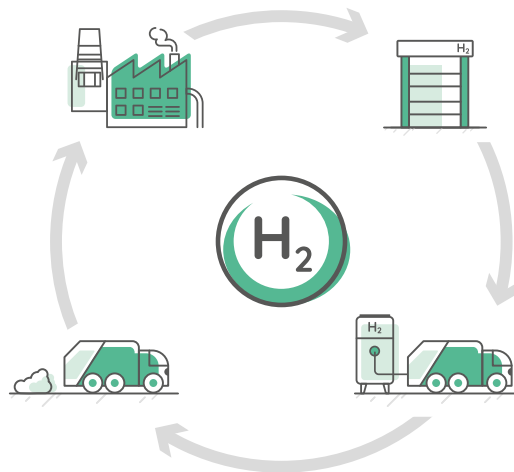
Renewable electricity

- Renewable electricity is generated during the waste incineration

Emission-free waste collection

Waste for generating power

- Refuse vehicles deliver the collected waste to the incineration plant
- Quiet, reliable and up to 350-km operating distances



Electrolysis, processing and storage of the

hydrogen | storengy

H₂ transportation or on-site refuelling station

- Production of green H₂
- The electricity is converted to hydrogen by electrolysis

Refuelling | storengy

H₂ at 350 or 700 bar

- Heavy-duty vehicles (e.g. refuse collectors) are refuelled with hydrogen
- Optional: Refuelling H₂ third parties (e.g. public transport companies)

Key advantages of hydrogen

Hydrogen power provides an innovative, environmentally friendly and economical solution for reducing fleet emissions, especially for companies in the waste logistics, collection and incineration sectors.

We help you convert to H₂ by providing the infrastructure for hydrogen generation and refuelling, and will also advise you during the conversion process.

Economic benefits

Avoids CO₂ taxes, utilises government subsidies, efficient drive system

Sustainability

Tried and tested H₂ technology with a high degree of future-proofing and environmental friendliness

Environmental protection

Less noise, fine dust and CO₂ emissions, more quality of life for your local community

Attractive funding options

Storengy supports you in identifying and applying for the right subsidies

No investment costs

Storengy bears the investment costs for the entire H₂ infrastructure as part of an attractive contracting model: from the hydrogen production to refuelling

Modernised vehicle fleet

Hydrogen guarantees extensive operating distances of up to 350 km and fast refuelling of vehicles

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Storengy: Market leader for storage services

Storengy Deutschland GmbH is part of the ENGIE Group, one of Europe's leading energy companies. Storengy is the European market leader for storage services: planning, constructing and operating storage facilities as well as marketing gas storage capacities form part of its core business. Storengy contributes a wide range of expertise in the hydrogen sector:



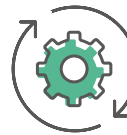
Full service

from planning to delivering H₂ projects



H₂ storage

Intermediate storage, reserves, seasonal storage



24/7 remote control

via central control room in Germany



Nr. 1

among gas storage operators in Europe

Storengy/ENGIE H₂ reference projects

Project Vanguard (GB)

Production of green hydrogen to fuel a fleet of refuse collection vehicles

- **Photovoltaics** and **rainwater** used to operate a 50-kW alkaline electrolyser at the refuse truck depot
- Green hydrogen stored at the refuelling station
- Refuelling refuse collection vehicles and minibuses

Waste-to-Wheels project (BEL)

Energy from a waste incineration plant is used to produce H₂ for fuel cell buses

- **1-MW electrolyser** at the waste incineration plant site
- H₂ used to drive **10 buses**

MH2Regio project, Frankfurt (DE)

Overall concept for a regional hydrogen economy

- Development of an **H₂ infrastructure** for **green mobility**
- Cost-effective hydrogen production with electricity from the **waste incineration plant**

Take off into the future with Storengy. Find out more about hydrogen for heavy-duty vehicles:

Daniel Mercer

Head of Business Development

Tel.: 030 915811-031

Mobile: 0170 7998693

Email: daniel.mercer@storengy.de

Thomas Grundler

Business Development Manager

Tel.: 030 915811-018

Mobile: 0162 2689341

Email: thomas.grundler@storengy.de