

The energy solution with Hydrogen Fuel Cells

The H₂Genset is a flexible and mobile generator using hydrogen for use in areas without access to the conventional power grid, e.g. on construction sites, at outdoor events, for the temporary power supply of telecommunication masts or as a mobile emergency power supply in the event of catastrophes.



Quiet



Emission-free



Customisable performance range



Almost maintenance-free



Significant cost savings



Technical highlights

Peak output	20 kW
Continuous output	10 kW
Operating time	Up to 72 h
Expansion with external tank	possible
Tank pressure	700 bar
Approved for road use (Europe)	yes
Dimensions (W x H x D)	1.950 x 1.400 x 1.460 mm



Download data sheet as PDF

Areas of application



Structural and civil engineering / road construction



Emergency power supply for aid organizations and emergency services



Security and Defense



Events and film industries



H₂Genset



NEW

The H₂Genset will be available from December 2022.



Visit our website for more information!
www.h2-genset.com

The mobile emission-free generator

Zero Emission

H₂Genset Cloud

Monitor individual generators or entire fleets conveniently and easily using a suitable IoT solution. The H₂Genset has an integrated cloud connection and can therefore be monitored using the associated web app.

Keep an eye on your H₂Genset with the included IoT application

- Usable with a mobile phone or via a browser
- Intuitive visualization and operation
- Continuous updates

Features

- Operating data and status overview
- Data analysis tools
- Security and anti-theft
- Overview of all service locations
- Overview map of H₂ filling stations
- Order H₂ bundle from gas supplier



Hydrogen Fuel Cell technology

Thanks to the modular design with integrated EFOY hydrogen fuel cells, the performance range can be precisely tailored to suit your requirements. The H₂Genset has an integrated hydrogen tank system and uses proven fuel cell technology to provide energy cleanly and quietly. It also needs little maintenance and is inexpensive to run.



Hydrogen refuel

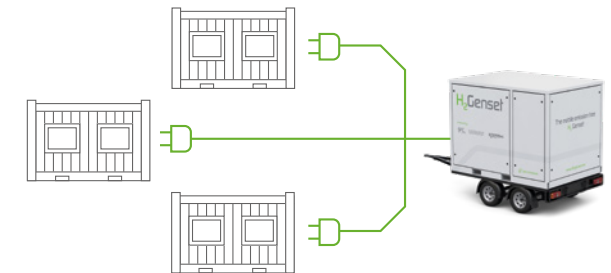


The H₂Genset can be refueled quickly and easily at H₂ filling stations. For even greater self-sufficiency, the H₂Genset also has a connection for an external tank, e.g. a standard 12-cylinder bundle.

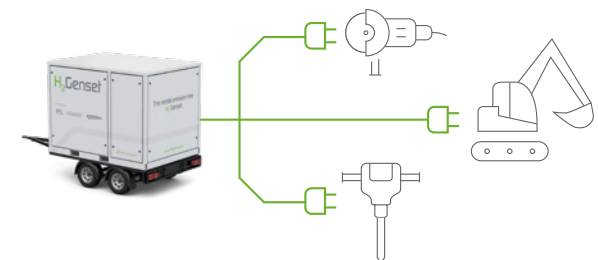
- Power production from hydrogen
- Modular design with integrated tank system



Day Operation of a container city



Night Charge construction equipment



*For example, a 10 kW hydrogen fuel cell energy solution uses 90 tonnes less CO₂ than a conventional diesel generator at an assumed annual demand of 87,500 kilowatt hours (kWh). This corresponds to driving a diesel-powered passenger car for 500,000 kilometers.