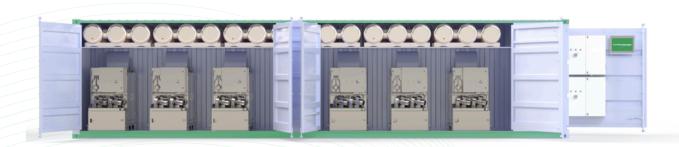


Our product line up includes containerized solutions for hassle-free hydrogen generation in both local and remote areas. 20 feet and 40 feet container solutions are available to closely match your power requirements. These solutions are scalable up to MW level scale.

For more information, please contact with info@methanolreformer.es



## **STRONG POINTS:**

- 4 No harmful gas emissions (No NOx, SOx, PMs)
- Grid independent
- High purity (>99.97 %) H<sub>2</sub> production
- Low CO<sub>2</sub> emissions (-28% vs diesel) and carbon neutral with green methanol
- 4 Low CAPEX / OPEX
- Scalable for expanded H<sub>2</sub> deployments
- Plug&Play

- 4 24/7 Run Times; no operator needed
- Limited Power Requirements (2kW)
- Reduced Noise and Pollution
- 4 Low level of maintenance
- Fast implementation
- Able to use **existing fuel deposits**

## **CROSS-SECTORIAL APPLICATIONS:**

- Mining / Construction
- ∮ Ports / Airports
- ∮ Industrial
- ∳ On-board

- Service Stations
- Warehouse / Logistics
- 4 Data Center
- ∳ Off-grid

**Website:** www.methanolreformer.com **Email:** info@methanolreformer.es

Global Headquarters: World Trade Center. Moll de Barcelona s/n Edificio Este Planta 5



## **CHG6. Hydrogen Generator Product Specifications\***

Models  Certification		CHG6-L/M18-40  CE & ATEX Certifications of components inside the container
Electricity Consumption Including control & safety devices	Power Requirement Cold startup Mode Hot stand by H <sub>2</sub> production mode	200-240 VAC ≈ 50 kW ≈ 29 kW ≈ 20 kW
Feedstock Consumption	Methanol 62.5+/- 0.5 wt% with balance DI water	792 L/h, 13.2 L/min
Efficiency	Efficiency at Stead State Optimal	> 80%
Hydrogen Quality	H <sub>2</sub>	>99.97 %
Physical Characteristics	Format Dimensions (LxWxH) Weight	40 ft container 12.19 x 2.44 x 2.59 m ≈ 19.500 kg
Control and Communication		Siemens, Ethernet
Exhaust pollutants**	CO NOx SOx	<300ppmW 0 ppmW 0 ppmW
CO <sub>2</sub> emissions		618 kg/h
Refurbish		≈ 20,000 h
Ambient conditions		5°C to 45°C
Startup time	From Ambient Temperature	12 hrs. depending on system power conditions & ambient temp.
	From Hot Standby	<5 min to H <sub>2</sub> production; <30 min to rated H <sub>2</sub> production

\*Specifications subject to change

<sup>\*\*</sup> CO<sub>2</sub> not included

