

THE HYDROGEN ENGINE

ROBUST, CLEAN & RELIABLE

In today's energy transition challenges, hydrogen is one of the solutions towards a more sustainable future. But why is hydrogen actually such a good solution? Read more about the advantages of the JCB hydrogen combustion engine below.



Advantages

Clean energy - Close to Zero Emission

The innovative and robust build JCB hydrogen combustion engine has a close to zero emission and contributes to the realization of the European Climate goals 2050.

The JCB H2 engine integrated in e.g. generators, hybrid systems and OEM solutions will help our customer to achieve their business sustainability goals and also safeguard the continuity of their business development for the future.

Fast refuelling

Compared to batteries, the hydrogen engine offers a major advantage of quick on-site refueling using a mobile fuel truck or interchangeable hydrogen storage tanks. Battery systems require transporting the solution to another location for slow recharging, then bringing it back to the site. In contrast, a hydrogen engine can run for 1-2 weeks or longer without refueling, depending on the fuel storage tank's size.

Tested in the field

As JCB has a wide range of machines, the hydrogen engines have been extensively tested in the field. This has ensured that the engines are reliable and safe, as we are used to from JCB.

Technology

JCB developed a hydrogen combustion engine considering efficiency, power, and torque, similar to a traditional diesel engine. JCB's engineering team successfully achieved performance and features that meet or surpass those of a diesel engine

Cost-effective

In addition, hydrogen combustion engines will be more cost-effective compared to battery and fuel cell solutions.



CLOSE TO ZERO EMISSION



LOW NOISE



PROVEN ENGINE TECHNOLOGY



ROBUST TECHNOLOGY



FAST REFUELLING

TOTAL SOLUTION

FROM ADVICE TO AFTERCARE



Brinkmann & Niemeijer is the specialist in (fixed and mobile) energy systems, such as emergency power supplies, generators, battery-, hybrid- and UPS systems.

We supply both standard and customer-specific solutions: from advice, development and engineering to production and installation. Plus everything that goes with it: commissioning, testing, service and maintenance.

We provide high-quality energy systems for:

- Back-up applications
- Riverbarge applications
- Mobile applications
- Military applications
- OEM applications



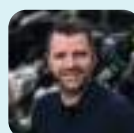
A SUITABLE SOLUTION FOR EVERY POWER DEMAND

OUR ENERGY SYSTEMS



OPEN GENSETS | SOUNDPROOFED GENSETS | BATTERY SYSTEMS | HYBRID SYSTEMS | UPS SYSTEMS | ENGINES | PTO GENERATORS

MORE INFORMATION?
Paul is happy to help



Paul Lenderink
SALES ENGINEER - MOBILE

@ p.lenderink@bnmail.nl
☎ +31 571 745 273
📍 Engelenburgstraat 45
7391 AM, Twello, NL