

Decarbonizing industries and paving the path for a carbon neutral future.





Founded in December 2020, GLOBE has its origins in the fuel cell research department and the innovation lab of Mercedes-Benz. Now, GLOBE has become a mature company with a team of 40 tech-experts.









We develop and build digitally connected, modular H₂-powered fuel cell systems for a wide range of industry

applications.



G

But net zero vs. rising energy demand



Population Growth



Heat Pumps



Mobility Transformation



Industry Development

* Source: iea report "World energy outlook" 10/22

So how can the globe satisfy its hunger for energy?



Oil & Gas dreadful carbon balance



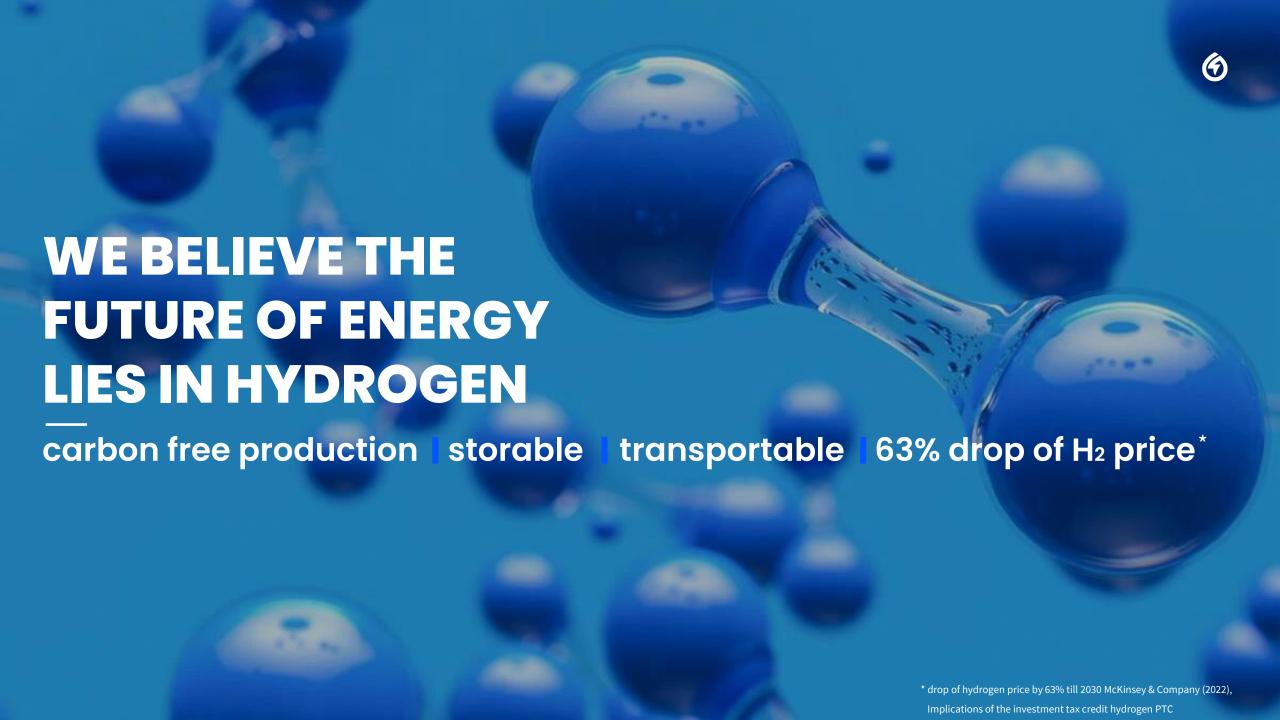
Nuclear Power safety & toxic waste



Solar Power dep. on weather conditions



dep. on weather conditions



The main pillars of the GLOBE business model

The business model of GLOBE comprises hightech hardware, digital cloud business as well as fuel cell technology services.

GLOBE Fuel Cell Units

medium-size

GLOBE LSP large-size



Power Output 250 – 350 kW

GLOBE Datacore®

Cloud solution for data driven business



Data transfer to the cloud for AI based algorithms of all our fuel cell units

III. GLOBE as a service

Engineering expertise for strategic industry partners



Development of fuel cell systems for various applications





Power Output $10 - 60 \, \text{kW}$

GLOBE XLP80 – our first market ready product





Why fuel cell technology for intralogistics?

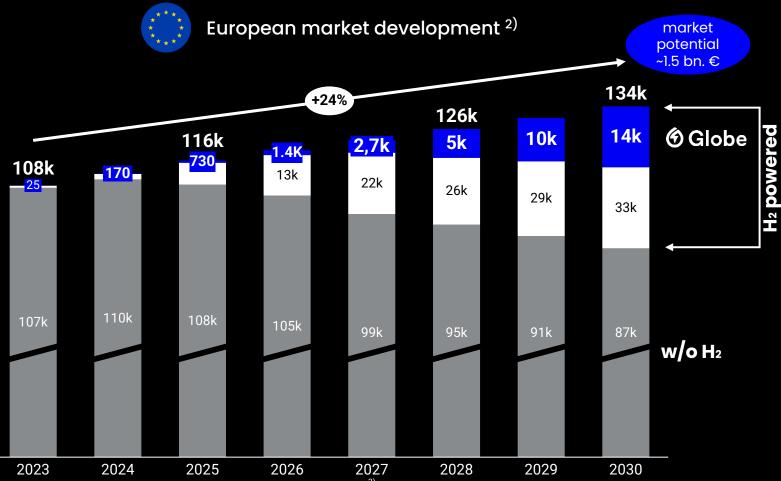
Significant advantages compared to existing battery systems



- Increased productivity through rapid refueling (less than 5min)
- More space for value-added processes due to elimination of battery swap stations and swap sheds
- Significantly higher utilization of individual fleet vehicles and the fleet overall (CAPEX reduction)
- Reduction of vehicle and personal injuries during battery swap
- Elimination of peak power loads due to charging operations
- Reduction of the CO₂ balance sheet due to the use of green hydrogen
- Due to GLOBE's roots in the automotive industry, all systems are developed to the highest quality standards and are designed to operate for 20,000 working hours

The intralogistics market is becoming hydrogen-powered

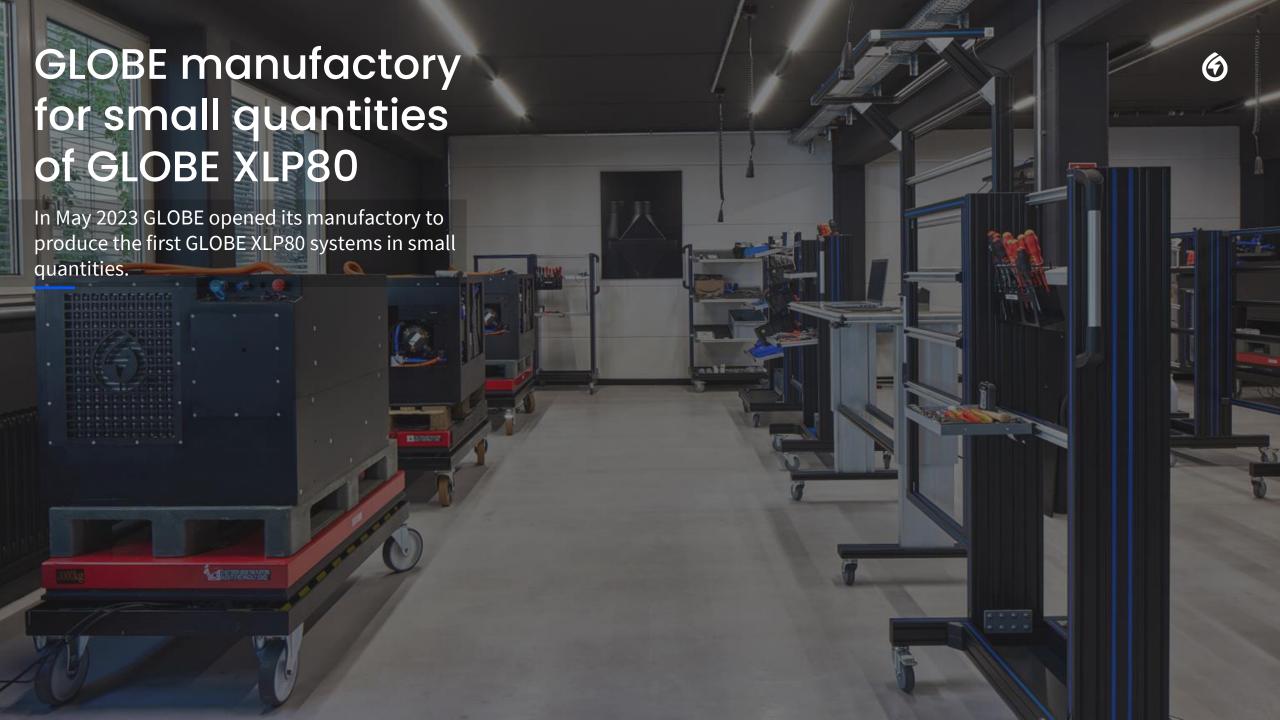
In 2030, every 3rd forklift in Europe will be powered by fuel cell systems



e: 1) Statista study "Intralogistik Dossier" (2019)

2) McKinsey Study Fuel Cell forklifts market perspective (12/2019)

3) Intralogistic Tier-1 OEM; Sales Outlook H2 vehicles 2027 = 25k units



First GLOBE XLP80 units have been sold

Our first costumer is one of the world's largest manufacturer of forklifts and warehouse equipment and the market leader in Europe. GLOBE will start delivery of GLOBE XLP80 in autumn 2023.





GLOBE DataCore

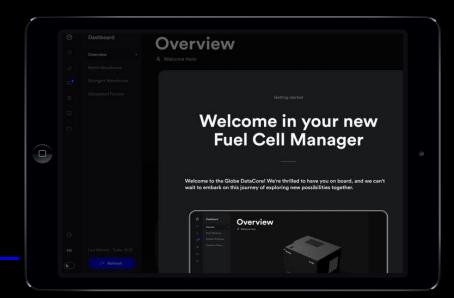
Smart digital technology will make fuel cell applications more efficient and profitable

(1)

GLOBE Datacore®Decarbonization needs fully digital approach

GLOBE fuel cell systems with large number of integrated sensors to send more than 1,000 signals per second into the cloud

Full access for GLOBE and our costumers via Fuel Cell Manager to manage entire fleets





By using artificial intelligence, we can thus identify predictive maintenance and calculate CO₂ certificates

Full real-time access to performance data, consumption and runtimes of GLOBE fuel cell systems



GLOBE as a service

Applying fuel cell technology know-how with and for strategic industrial partners

We accompany industry partners into the world of fuel cell technology

Globe

What we bring

fuel cell tech know-how

fuel cell network

fast processes

quick ramp up of personnel

entrepreneurial mindset



new business

re-engineer

re-imaging

Corporate Partner

What they bring

market know-how

costumer access

brand & reputation

financial resources

strong organization

The Founder Team



Dr. Bernhard Wienk-**Borgert**

Co-Founder & CTO

Bernhard holds a master in industrial engineering and a PhD in fuel cell research from RWTH Aachen, Germany.

He worked for many years in the Mercedes-Benz fuel cell R&D as well as in the cost engineering team where he got deep insights in fuel cell and battery costs.



 Steffen Bäuerle Co-Founder & CEO

> Steffen worked for 8 years as MD of Mercedes-Benz Tech Innovation. He is an expert in realizing sustainable growth over time.

> Steffen was also project leader of a stationary Fuel Cell Backup Power project of Mercedes-Benz together with Rolls-Royce Power Systems.

Our GLOBE GreenTech Experts

The highly dedicated team combines skills and experience to empower the globe. We all share the vision reaching the net zero emission target with the help of fuel cell technology.











































































We are GLOBE Fuel Cell Systems

Let's rethink the future together

