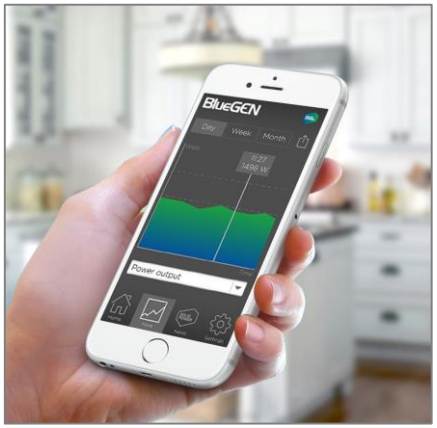
SOLIDpower's Fuel Cell micro CHP
low carbon on the path to zero carbon

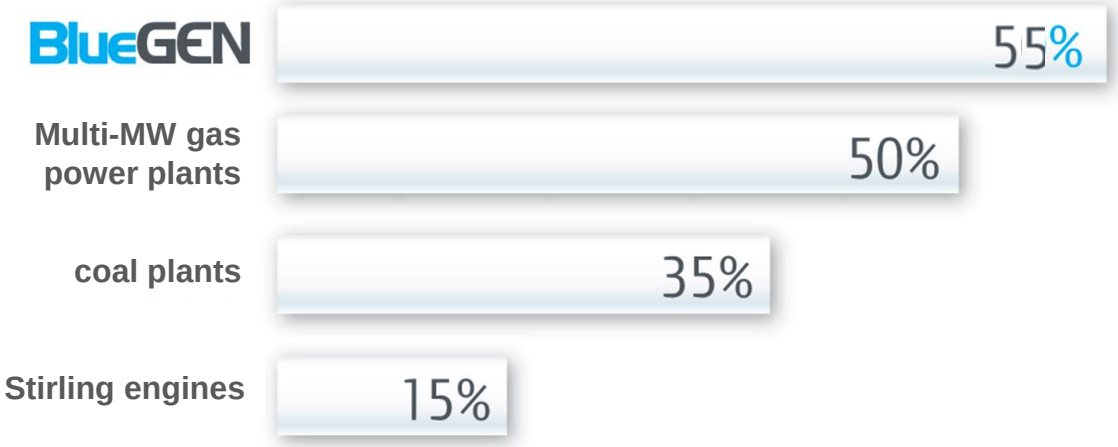
Olivier Bucheli, Founder, CBDO

The new BlueGEN BG15



- iOS and Android
- $HTML_5$ responsive
- Security compliance (GDPR)
- Monitoring/power profiling

Electrical EFFICIENCY



FLEET DEPLOYMENT

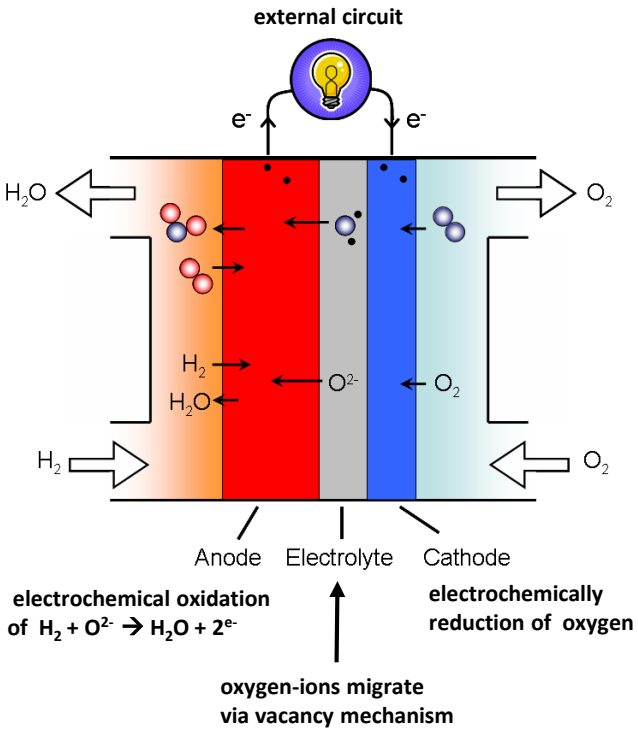
- **> 1400 units** installed
- **12 countries**
- **24 Mio. hours** of operation

PRINCIPLE OF A FUEL CELL – ELECTROCHEMICAL ENERGY CONVERSION

Fuel flexible

Technology neutral!

Solid Oxide Fuel Cell, SOFC



$H_2 + ½\ O_2 \rightarrow H_2O$
(Exothermic reaction)

No NO_x
No SO_x
No PM

No Noise
No vibration

PRODUCTION RAMP-UP

Industrial scale production (50 MW plant)

- cell and stack manufacturing with agile automation
- flexible rampup and lean manufacturing design
- 25 MW/y capacity on 2 shifts, 2nd step planned to reach **50MW/y**
- investment **~30 Mio. €**
- working area = 7’000 sqm (exp. to 10’000 sqm)

TRENTINOSVILUPPO
DEVELOPMENT AGENCY AND BUSINESS INCUBATOR

LARGE APPLICATIONS

Gas to Power

Power to Gas

SOFC

AFC

PEMFC

SOE

AEL

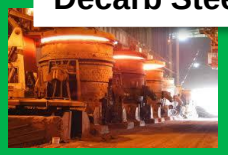
PEM EL

Remote

APU

Data-center

Decarb Steel



Residential

Decarb Chemistry

Stationary

Space

Mobility

Glass

Grid Balance

10 kW | 100 kW | 1 MW | 10 MW | 100 MW

1 GW | 10 MW | 100 kW