

Hydrogen technologies: Growing quickly!



Closer than you think



5,000+ fuel cells
powered forklifts globally



500+ electric
vehicles powered by
hydrogen operating in
Europe (mainly in GE,
Scandinavia, UK, NL, FR)



>120,000+
fuel cells micro co-
generation systems
installed in Japan



200+ hydrogen
refuelling stations
filling buses
& cars globally



**Foundations built
by FCH JU***

(Joint public-private investment
of +- €1 billion since 2008)

Stationary fuel cell
cost reduced by

60%

99.4%

Reliability of stationary
fuel cells achieved

Cumulative distance
travelled in car
demonstrations

>5,000,000 km

300-400

New fuel cell busses will be
commercialised in Europe
between 2016 and 2020

Bus fuel cell system cost
improved by

29%

700 bar
refuelling in

3 mins



**Growing European
Industry****

10% ↗
of annual turnover



8% ↗
of R&D
expenditures



16% ↗
in patents granted
to European
companies annually



6% ↗
in jobs per year
while EU job
market contracted



* Fuel Cells and Hydrogen Joint Undertaking

** FCH JU/McK