

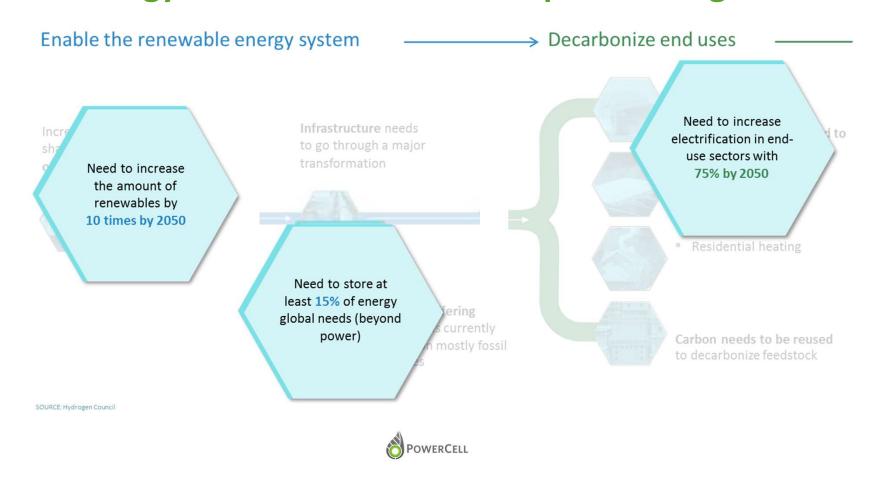
An Innovative Commercial Pioneering Company

- Outstanding Fuel Cell Expertise
- All central functions located in Sweden
 - Northern Europe largest fuel cell lab
 - Production in Gothenburg
 - Subsidiary in Germany
 - Distributors: Japan, S. Korea & S. Africa
 - JV in Norway
 - Powunit AS Business partner in Norway
- Over 13 000 shareholders
- Strong industrial main owners

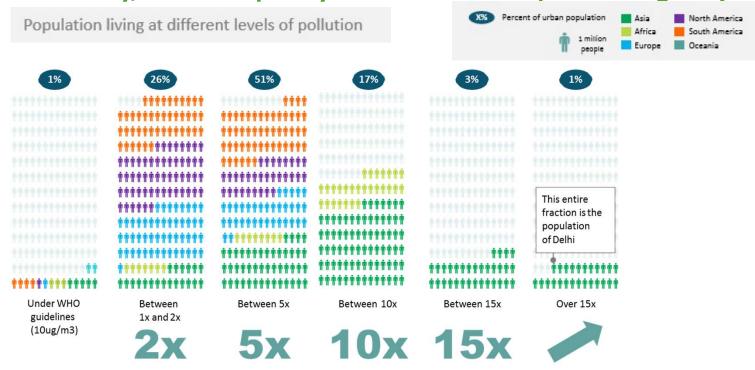




The energy transition creates multiple challenges



Simultaneously, local air quality of cities to be improved urgently



More than 99% of global population living areas where air pollution is above current WHO guideline

Source: World Bank, 2014, WHO 2014

NOTE: Africa is underrepresented since only 8 African cities reported emissions in 2014 (population of 42M)



Fuel Cells – The Game Changer

In several billion years nature has never evolved any complex organism that uses batteries for energy storage to run the organism.

All complex organisms use fuel cell technology. That indicates that batteries are not the only way.





Kobolt, batterier och lidande i Kongo

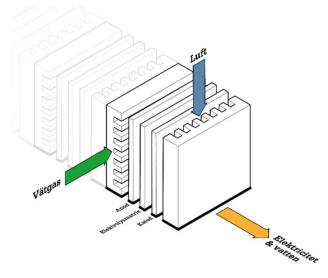
BLOGG: Kobolt, batterier och lidande i Kongo

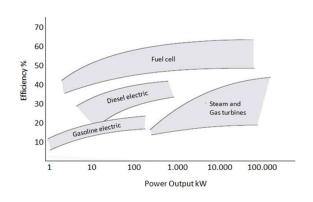
Power Circle - 2018-01-26 13:15 CET





Fuel Cells – The Game Changer





- The only exhaust from a fuel cell system is water and heat –ZERO EMISSION
- High Efficiency in a broad range
- A minimum of maintenance is needed



Increasing Strength of Driving Forces Cooperate in Creating Heavy Growth for Fuel Cells



Market Demand for Carbon Free Solutions



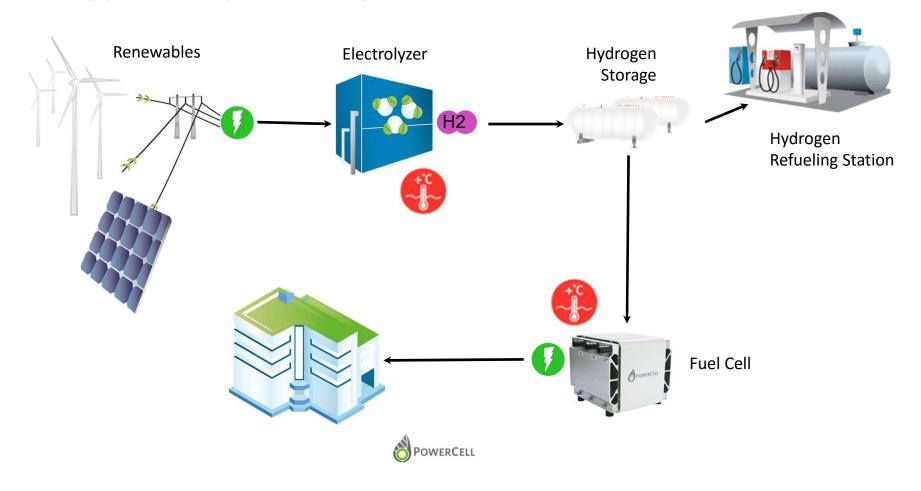


Hydrogen Infrastructure is Increasing



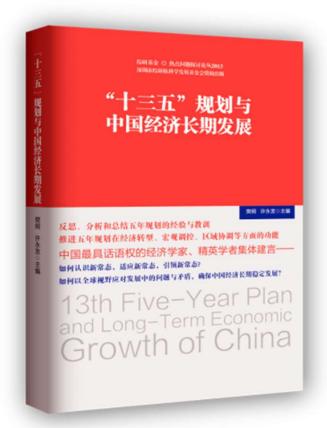


Energy Society Convergent with Automotive



Disruptive Change - Japan and China will Take The Lead











Customer Segments





PowerCell's Product Platform Strategy

- Scalable and modular product platforms
- PEM fuel cells standard in automotive
- Low temperature, water cooled
- S1 and S2 fuel flexible hydrogen or reformate
- S2 and S3 designed for high volumes



PowerCell S1 (1-5 kW)



PowerCell S2 (5-35 kW)



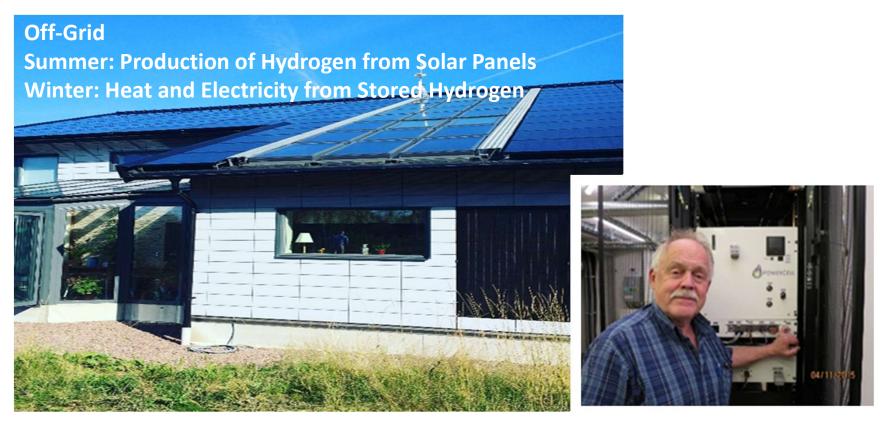
PowerCell S3 (30-100 kW, prototype)





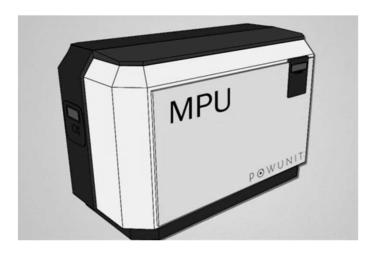


Decentralized Smart Houses





Powunit MPU



Video



Material Handling: Kalmar and SSAB

- Fuel Cell System based on PowerCell S2
- Middle sized Forklift for SSAB
- Test until 2018



PowerCell S2





The World's First Distribution Truck: Coop Switzerland

- Test in electrified 34 tonner with trailer
- PowerCell S3, as a range extender
- Reduce over 1.5 tons of batteries



PowerCell S3





Marine Application: Maranda & Nimbus

- Maranda Consortium (ABB among others)
- A marine system based on PowerCell S3
- Power generation to electrical equipment and dynamic positioning
- Nimbus Boats (LOI)
- Feasibility study
- Construction of a demo vessel
- Propulsion











Hyon AS – JV Enable Customer A One Stop Solution

- World Class Hydrogen & Fuel Cells Technologies
- Clean and profitable energy solutions
- Tailored and integrated systems







Hydrogen production

Hydrogen storage

Power generation





PowerCell is Highly Requested in China

- Fuel stack of 30 kW, range extender
- PowerCell S2 is extremely attractive
- New subsidy to Hydrogen vehicles:



400 000 SEK 600 000 SEK 1 000 000 SEK





Nikola Motor Company: Heavy Duty Transport Trucks

- PowerCell appointed as primary fuel cell stack supplier
- Nikola Two, a 100% zero emission day-cab, will be brought to market in 2021
- Starting with pre-production testing vehicles in 2018.







Driven by the Idea of Creating Something Extraordinary

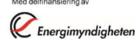












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