



Disclaimer

This Presentation has been prepared by, and is proprietary to Ceramic Fuel Cells Ltd.

This Presentation does not constitute or form part of an offer for sale or subscription or an invitation or solicitation of an offer to subscribe for or purchase any securities and neither this document nor anything contained herein shall form the basis of any contract or commitment whatsoever.

No representation or warranty, express or implied, is given by Ceramic Fuel Cells, its Directors, employees or professional advisors as to the accuracy, fairness, sufficiency or completeness of the information, opinions or beliefs contained in this document. Except in the case of fraud, no liability is accepted for any loss, cost or damage suffered or incurred as a result of the reliance on such information, opinions or beliefs.

The information in this Presentation reflects prevailing conditions and the views of Ceramic Fuel Cells of this date, which are subject to change.

© Ceramic Fuel Cells 2014



Investment Highlights

- Leading manufacturer and marketer of small scale fuel cells
- Converts natural gas into electricity and heat for homes and small buildings
- BlueGEN units achieve 60% electrical to 85% total efficiency
- First commercialised in 2010, circa 500 units sold to date
- 43% sales increase in 2014 with 210 units sold
- Major technical improvement expected stack life increased to 5 years
- Manufacturing costs reduced by 29% per unit since 2012
 - Selected components manufactured in China
 - Core IP retained in Melbourne
 - Final assembly in Germany
- Sales strategy re-positioned to lower sales cost per unit
 - Focus on multi-unit sales housing developments, council estates etc.
 - Sales forces in UK, Germany and the Netherlands



Leading Producer of Fuel Cells Globally

Solid Oxide Fuel cell technology for base load power generation

- Our technology converts natural gas into electricity and heat
- BlueGEN delivers clean, controllable electricity on-site 24/7
- All Intellectual Property is wholly owned

World's highest electrical efficiency - up to 85% efficiency

- BlueGEN generates electricity at up to 60% electrical efficiency
- Total efficiency increases to 85% with heat capture hot water or central heating
- Closest competitor ~ 45% electrical efficiency
- More power from less fuel = energy cost savings + CO2 savings

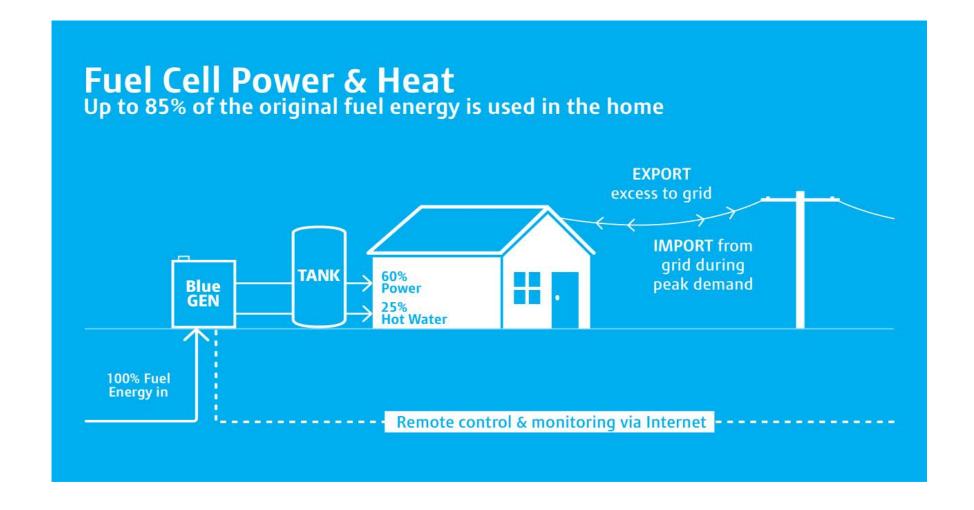


Centralised Generation...





Distributed Generation...





BlueGEN - The Highly Efficient Electricity Generator



- Distributed power production @ 60% efficiency
- Waste heat for hot water production 200 ltr/day
- Total efficiency up to 85%



What is BlueGEN?

Converts natural gas into electricity and heat via an electrochemical process

The world's most efficient small-scale electricity generator

- Generates power 24/7, all year round
- Makes 13,000 kWh per year
 - 2 x the demand of the average Australian home
- Power used on-site & exported back to grid
- In Victoria saves up to 14.5 tonnes of CO₂ / year

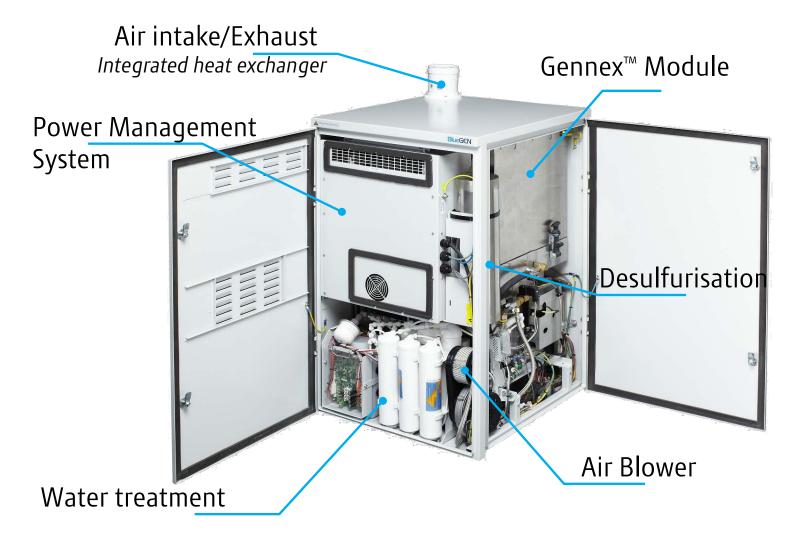
Easy to install & virtually silent

- Uses existing gas, power and water connections
- Remotely monitored and controlled over the internet





How it works

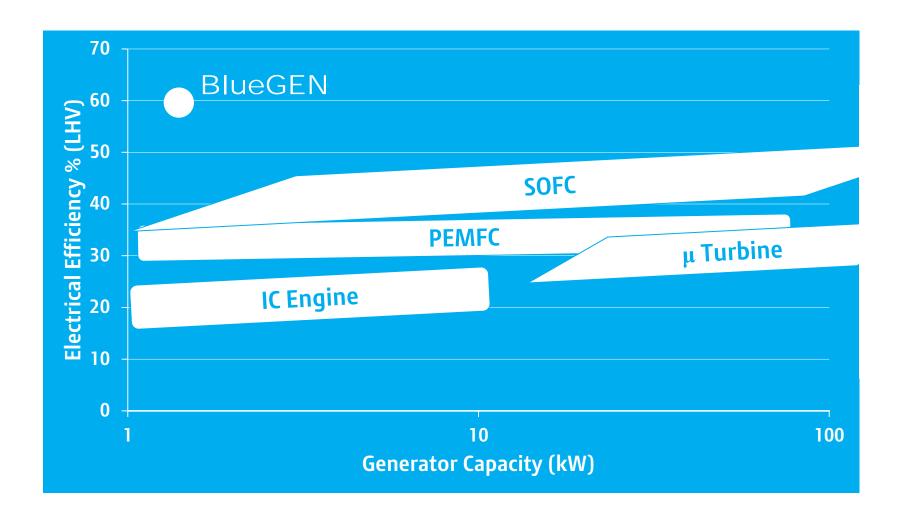








Highest Efficiency small scale generator





Historical Challenge Energy Industry

Large, centralized, isolated

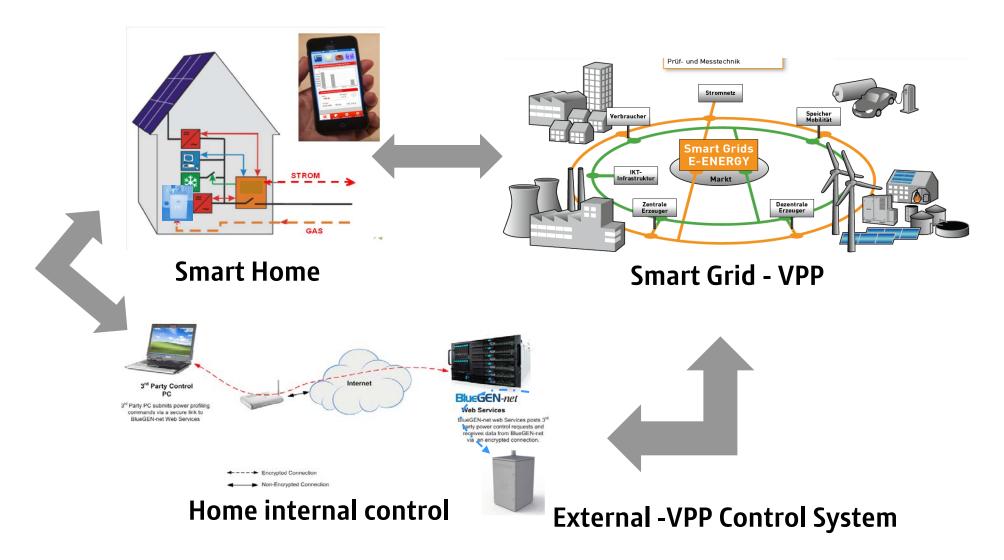


Small, decentralized, connected





Smart Grids and Virtual Power Stations - The Future





Product Development

Transition from R&D to Commercial Products





CHP-2 and NetGen



First residential CHP prototype

2007

Upgrade of pilot manufacturing facility in Noble Park

High-efficiency Gennex fuel cell module launched

Start of long-term partnership with EWE in Germany

2009/10

Achievement of 60% electrical efficiency

BlueGEN product concept launched

CE approval for BlueGEN product

2013

BlueGEN sales partners in Germany, Netherlands

BlueGEN manufacturing plant in Germany fully commissioned

Multiple industry awards in Germany, UK, Australia

2014

Major product improvement announced with voltage degradation reduced by 70% improving stack life to 5 years

29% standard cost reduction since June 2012 at low volumes



BlueGEN



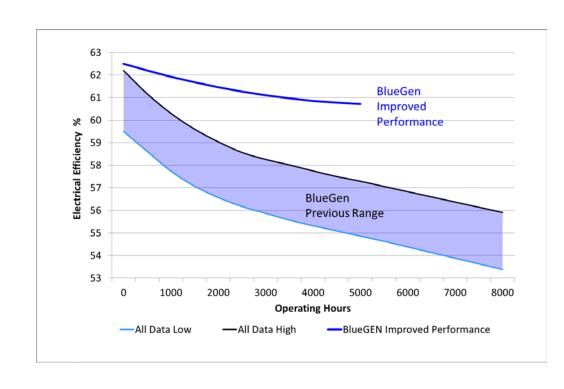
CFC Innovation Capability

- Core development with international recognition in Melbourne
- Extensive R&D and product development facilities
 - For components and complete systems
 - Prototyping capabilities (Cell to System Fabrication)
- Experienced development team
 - From "powders to systems" Technology and product development
 - Manufacturing process development
- Intellectual property
 - 30 patent families in most major potential markets covering key technologies from materials to system technology
 - Extensive "secret" know-how



Stack Degradation Rates Reduced by 70%

- Patented improvement reduces degradation substantially.
- In-house and in-field testing by customer verifies results.
- Life of product substantially increased
- Envisaged reduction in future warranty provision.
- Introduction to supply chain in Q3 CY2014





Productivity Improvements: Stack Assembly

- Stack sintering productivity transformed from single to multi-stack process
- Fully validated process with production yields > 99%
- Current capacity: about 1,700 stacks per year
- Planning phase for next up-scale completed (5,000 per year)



Single stack furnaces



16-stack furnace



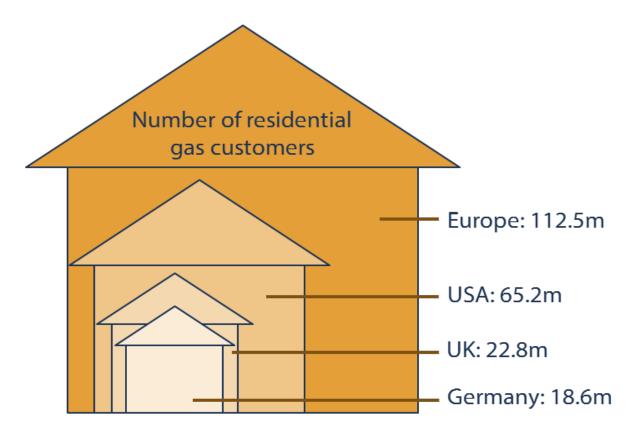
Cost Reduction Strategy

Clear cost reduction plan to levels that eliminate reliance on subsidies:

- Cost down roadmap to reduce costs by >50% over time
- Reduction of 29% since June 2012
- Volume orders
- Cost effective / high quality component sourcing
- Value-engineering
- Process improvements
- Outsourcing program
- Becomes attractive in other markets (e.g. Asia)
- Second sourcing



Market potential: Overview Europe & USA

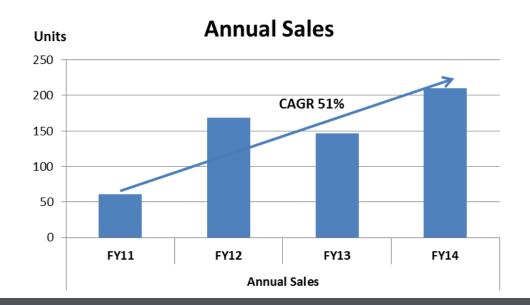


- Every household connected to gas grid is part of the market potential
- German and UK of CFC have a combined market potential of 40 million customers
- US market is large future opportunity once cost down strategy has been executed

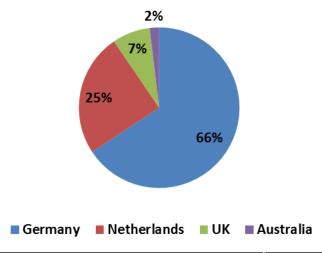


Sales and Marketing

- Deployed > 475 units in 11 countries with over 4.8 million operating hours
- Potential demonstrated in Germany, the Netherlands and UK markets
- Incentives available in 5 German states
- Feed-in tariff available in the UK
- Concentrating resources on selling through distribution partners and installers
 - 84 partners established in Germany
- Focussing on large scale project sales



Sales by Geographic Region





Financial Summary

	2013/14	2012/13
Units Sold	210	147
Sales Revenue	\$6.1m	\$4.3m
Cost of Sales, service & warranty	\$8.4m	\$7.9m
Operating Costs	\$22.6m	\$21.3m
Finance costs and impairments	\$1.1m	\$0.9m
Loss before tax	\$24.5m	\$25.0m
Loss after tax	\$21.4m	\$19.8m

- Unit sales and revenue increased by 43%.
- Cost of Sales per Unit decreased by 29% since 2012
- Operating costs increase due to ramp up of sales and marketing resources in early FY13.

These costs have been reduced since March 2014.



Global demand for CFC Technology

Industry Sources predict Significant Residential Volume Growth in Asia and Europe:

- Residential fuel cells installed in Japan are forecast to increase from 40,000 in 2012 to 1.4 million units by 2020 (ENE-FARM Partners).
- Industry surveys estimate market growth for fuel cells in Germany alone of >90% p.a. from 1,700 units in 2013 to 210,000 units in 2020 (VDMA 2013).

Discussions Underway

Africa

- With North American and Asian companies re larger and smaller units.
- For different applications.
- For potential distribution partnerships in North America, Europe & Asia.
- For potential manufacturing alliances in Europe and Asia.
- Stack supply for Asia.
- For potential manufacturing for third party mCHP unit in Heinsberg facility.







BlueGEN Sales Pipeline

UK

Large scale multi-unit projects primarily in social housing sector

Germany

- Concentrating on indirect sales installers and distributors.
- Potential sales: Avilos 98 units.
 Approval for 100 unit sale pending

Austria

- Concentrating on distributors
- Potential 50+ units

Benelux

Major project under negotiation



Highlights

- Proven Fuel cell performance, global technology leader
- Leading manufacturer, 4.8 million hours performance validation
- Industry leading efficiency: 60% electrical to 85% overall
- Major recent technical improvement expected stack life increased to 5 years
- Manufacturing costs reduced by 29% per unit since 2012
- Sales strategy re-positioned to lower sales cost per unit
- 43% sales increase in 2014 with 210 units sold
- European Industry growth estimates exceed 90% p.a. (Germany)
- Strong potential sales pipeline