



ClearEdge | POWER

The Power of Change™

**Silicon Valley Leadership Group  
Energy Summit  
June 29, 2009**

## ***ClearEdge Power develops, manufactures and markets Combined Heat and Power (CHP) products for residential and commercial buildings***

- Formed 2003; private company based in Menlo Park, California
- R&D/Manufacturing Center in Oregon; four Customer Support Centers in California
- 80+ employees growing to 200+ in 2009; adding 300+ in 2010
- First to market with “CE5 Energy System” – a 5 kW CHP product based on ClearEdge Power’s proprietary fuel cell system technologies
- For more information, please contact:



**RD&M Center, Hillsboro, OR**

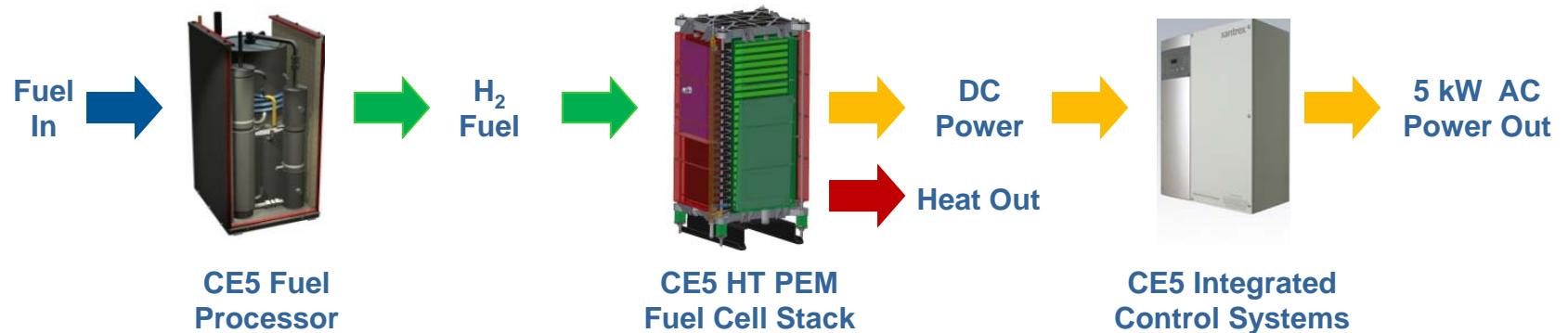
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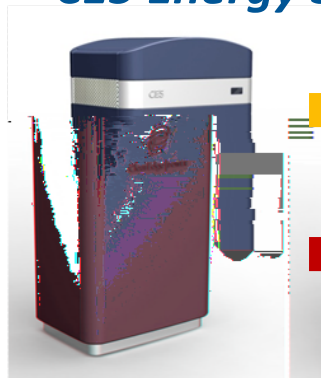
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*CE5 proprietary technologies are integrated into compact, powerful package*



*CE5 Energy System delivers dependable on site, base load CHP*



CE5 Energy System

5 kW (120/240 VAC) electricity on 24/7 basis

- 43 MWh per year grid-connected/grid-independent

6 kW (20,000 BTU/h) heat at 150°F

- 51 MWh per year for domestic and commercial hot water, radiant heating, and pool and spa heating

## ***Affordable***

- Low as 5¢ per kW operating cost with full heat load
- Averages 3.6-year payback on capital investment
- 5-year product warranty includes all maintenance

## ***Ultra clean and efficient***

- Up to 45% CO<sub>2</sub> reduction (13 tons per year)
- Net 85% energy efficiency with full heat load
- Uses 37% less fuel (NG) per kWh

## ***Versatile***

- Installs indoors or outside without compromising architectural designs
- Operates on NG or LPG and adaptable to JP-8, bio-gas and bio-fuel
- CE5 modular platform scales from 5 to 100 kW to meet customer requirements



CE5 Beta Installation



# Commercialization Progress



EMBASSY SUITES  
HOTELS\*



## *CE5 alpha field trials – Jan to Dec 2008*

- Completed 5-system demonstration

## *CE5 beta field trials – Jan to Aug 2009*

- Currently deploying 25 demonstration sites

## *CE5 commercial release – Sep to Dec 2009*

- 200+ CE5 production units deployed by Dec

## *Strong initial sales demand*

- Over 275 CE5 units on order to-date with qualified sales pipeline over 850 units
- Project mix 46% residential, 54% commercial
- Currently selling 2010 Q1 production capacity

## *Product development pipeline*

- CE10 (10 kW) in 2010 and CE2 (2 kW) in 2011