





2IdaTech

Corporate Overview

IdaTech is a leader in the development of fuel processors and integrated fuel cell systems for portable power, critical backup power and remote power applications world-wide.

Central Oregon business, 68 Employees



- World class energy technology company focused on the commercial deployment of PEM fuel cell products
- Wide range of fuel processing capabilities to produce high purity hydrogen from a variety of fuels
- Market- and application-driven fuel cell solutions for backup, industrial remote and portable power applications
- Deploying systems worldwide with partners in North America, South America, Europe and Asia -2007 - 2007 All Rights Reserved

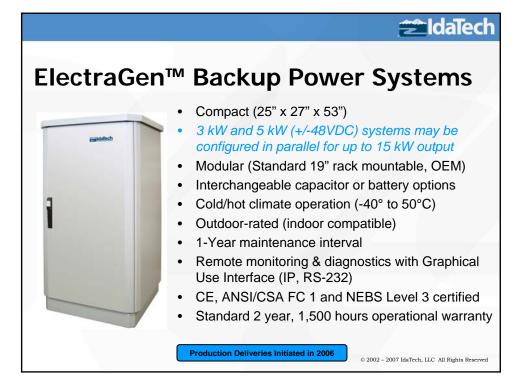




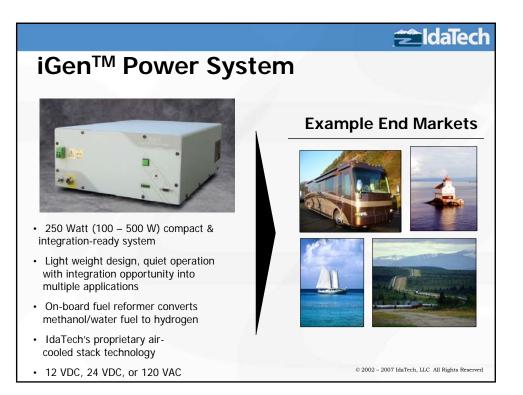


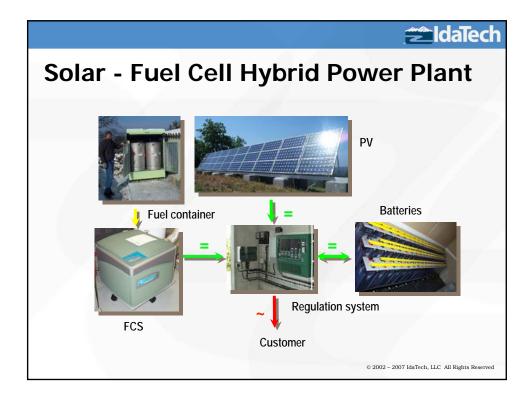






	2 IdaTech		
ElectraGen™ XTR Module			
akiko	 A liquid-fueled extended run module designed to produce hydrogen on-demand for critical and remote applications 		
Contraction of the second	 Provides virtually unlimited backup power run time when combined with the ElectraGen™3 or ElectraGen™5 fuel cell systems Ideal for remote locations where hydrogen delivery is not feasible 		
	24 hours of runtime 24 hours of runtime 30 gallons of Methanol With IdaTech reformer		
Production Deliveries Initiated in			





Portable Fu	el Cell Acti	vities	Millennium Cell The Hydrogen Battery Technology Company
Based on 30W – 72 Hour Mission	Protonex & MCEL Fuel Cell System	BA-5590 Battery	
Configuration for mission	1 Fuel Cell 3-24 hr Fuel Cartridges	13 Battery Packs	
Weight of System	5.1 kg (11.2 lbs)	12.7 kg (28.0 lbs)	
Total Cost per system (FC amortized over 30 missions)	\$793	\$1,040	11 lbs. 29 lbs.

Status: Originated as DUST program with AFRL in 2004 3rd generation product delivered to AFRL for field trials

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Competitive:	Field hydration, fast start-up, non-flammable fuel
Advantage	20% cheaper and 60% lighter than BA5590

Portable Fuel Cell Activities Special Operations Radio					
Based on 11 day mission	Jadoo & MCEL Fuel Cell System	BA-5590 Battery		Technology Company	
Configuration for mission	1 Fuel Cell 7 x 500 W-hr Fuel Cartridges	35 Battery Packs			
Weight of System	11 kg (24 lbs)	36 kg (79 lbs)			
Total Cost per system (FC amortized over 25 missions)	<\$1000	\$2625			
Status:	First prototyp Delivery to S			. 2006	
Competitive Advantage		Field hydration, non-flammable fuel 66% lighter than BA5590			

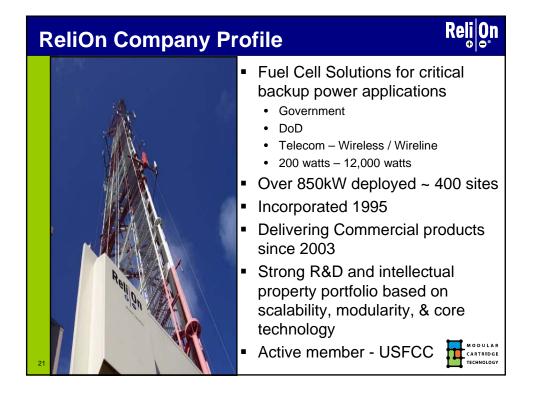
Portable Fuel Cell Activities Jadoo XRT - 100W Portable Power Generator				
 Core Specifications Utilizes Jadoo Standard Fuel Cell 110V Inverter (100W) 12V Output 360Whr * 6 = 2160 Whr Fuel gauge for all cartridges 				
 Targeted for military, first responder, surveillance, portable office markets 				
Status:	First prototype demonstrated Sep., 20 Field trials in Q2-07	006		
Competitive : Advantage	Field hydration, infinite shelf life, non- Disposable, 50% lighter than metal hy			

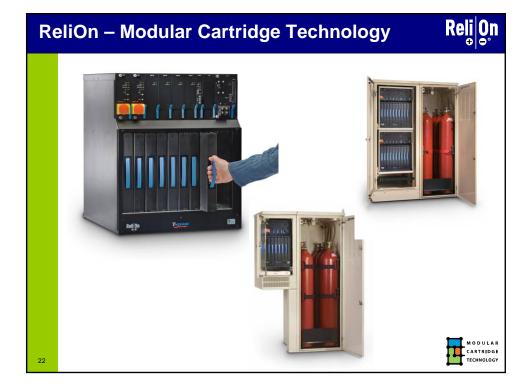


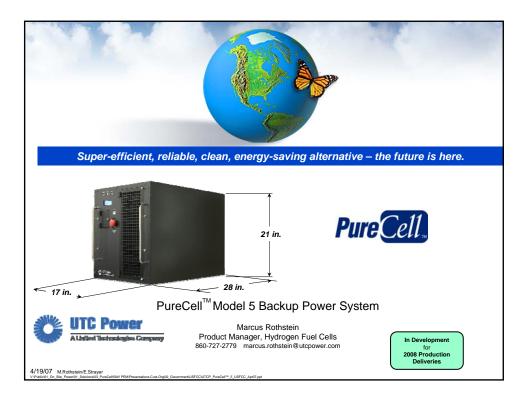
olug power











PureCell TM Model 5 Backup Power System					
Current Design Specifications					
Net Power:	5 kW				
Fuel Type:	Compressed H ₂ (> 200 psi)				
Emissions:	<0.7% H ₂ ; Water vapor				
Output Voltage:	48V DC (nominal)				
Efficiency:	>41% at maximum power				
Fuel Consumption:	~0.1 g/s of H_2 at 5 kW net				
Remote Communications:	Included				
Grid Loss:	Provides instantaneous power				
Certification:	Designed to CSA FC1				
Design life:	10 years				
Physical	Fits 19- or 23-in. rack				
9 (3 cm)				
	2 cm)				
•	0 cm) 0 kg) In Development for 2008 Production Development 2008 Production 2008 Production 2				
4/19/07 M.Rothstein/E.Strayer					

PureCell TM Model 5 Backup Power System				
Product Attributes				
Features	Benefits			
High efficiency	Cost savings			
Minimal moving parts	Increased reliability/Low maintenance			
Smaller footprint	Less space required			
Rack mountable	Simple compatibility			
Light weight	No building reinforcements			
Zero emissions	Site flexibility/Environmentally safe and sound			
Remote monitoring	Worry free operation			
Simple architecture	Reliability			
Short lead time	10-week delivery			
4/19/07 M.Rothstein/E.Strayer	In Development for 2008 Production Deliveries			















