

Rapidly Deployable Renewable Power Systems

JSEM, NDIA May 24, 2007

David J. Muchow, President and CEO

Company Profile

- Leading Renewable Energy Systems Integration Company, Arlington, VA
- Leader in solar, wind, and other renewable energy power systems.
- Some can set up in hours to a day or two and run for years with no fuel and little maintenance.
- Advantages:
 - Cut energy costs: fuel and maintenance
 - Cleaner power
 - More reliable power on or off the grid
 - Rapid deployment Ideal for government, commercial, military, and Homeland Security markets



SkyBuilt Power Some Areas of Interest

- How can we provide power without logistics, pollution, radar signature?
- How can we cut the rising cost of fuel, logistics, and manpower?
- How can facilities and bases comply with tightening clean air, noise and other pollution standards?
- How can we reduce IED events in the field?
- How can we win the hearts and minds of the people with leave behind renewable power stations?



Company Profile

Experienced, Well Connected, Arlington, VA Team

- Chairman of the Board, William G. Buck
 - President, William G. Buck and Associates, former manufacturing CEO and principal in other businesses
- President and CEO, David J. Muchow
 - Business executive, former General Counsel, Director, International Programs, American Gas Association, National Security Council, OMB, DOJ, Capitol Hill, mutual fund officer, principal to various energy firms
- Vice President, Scott Sklar
 - Former Executive Director, Solar Energy Industries Association (SEIA) and BioEnergy Industries Association, 30 years energy experience



Other Board Members: Seasoned Leadership

- Lt. Gen. John Fairfield, (USAF, Ret.), Officer, IBM; formerly DynCorp; Deputy Chief of Staff, Communications and Information, USAF
- Sen. Edward Holland, former Senator, banking executive, attorney
- David Holmes, Vice President, defense firm.; former Counselor to Executive Director, CIA and Deputy General Counsel, CIA
- Kenneth Schweers, former President, ICF Kaiser Consulting Group and former COO, Development Alternatives, Inc.
- S. Kinnie Smith, Jr., former Vice Chair and General Counsel, CMS Energy, Michigan major electric and natural gas utility
- Robert Hahne, former Managing Director, Utility/Energy Practice, Worldwide, Deloitte & Touche LLP



- In 2006, the Pentagon's fuel bill reached \$13B.
- IN FY04, US military fuel consumption increased to 144 million barrels. IN FY05, it fell to 132,788 (Defense Energy Support Center Fact Book 2005).
- DoD deployed fuel costs vary...
 - The current cost of petroleum to DoD is \$2/gallon or \$84/barrel (DESC)
 - The Army estimates the average cost of deployed fuel to be \$7 \$8/gallon or \$294 \$336/barrel.
 - PM-Mobile Electric Power estimates the average cost of deployed fuel to be ~\$14/gallon.

• ...but all estimates respond

Impact of Petroleum Market Fluctuations on DoD Fuel Costs

to changes in market price:	Market Price		Estimated DESC Price		Estimated Army Deployed Price	
	(\$/gallon)	(\$/barrel)	(\$/gallon)	(\$/barrel)	(\$/gallon)	(\$/barrel)
	1.5	63	2	84	7	294
As of 12 July 06,	1.67	70	2.16	91	7.16	300.72
Market Price was \$74.09/barrel	1.90	80	2.40	101	7.40	310.80
	2.14	90	2.64	111	7.64	320.88
	2.38	100	2.88	121	7.88	330.96
· ·	2.61	110	3.11	131	8.11	340.62

SkyBuilt Power

Next-Generation Technology Concepts

Hybrid Power Generation

Scalar panels attached on to the container in all directions as for as you want to go for more power wind turbines

Standard want to go for more power want (ight before (inside))

Standard water (inside)

Standard sace (inside)

into operations—plu and-play energy concepts.

Opportunities to insert

Rechargeable Batteries and Portable Chargers



BB-2590s

BA-3058s (AA Batteries)

Developed by Army
CECOM



Garrison Recharging Stations



PP-8498U



PP-8481B/U



Solar

Wind



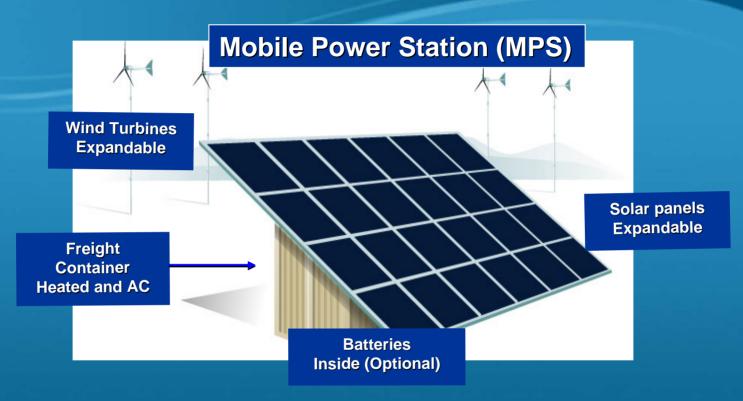
- An Ideal Power Solution
 - Power without fuel
 - Sets up in hours runs for years
 - Virtually no maintenance
 - Mobile air, rail, road, sea
 - Plug and Play like a computer
 - Any power source in and out hybrid
 - Operates in any climate rugged
 - Expandable .5kW to 150kW or more
 - Any Commercial Components



SkyBuilt's Innovative Products, Fixed or Mobile: An example:

- SkyBuilt's Mobile Power Station (MPS)
- The world's first renewable energy, mobile power station
 sets up in hours or a day or two, runs for years with no fuel and virtually no maintenance -- or can use renewables + any fuel.
- Comes self contained in a standard freight container or on a trailer. Demo located at 1425 N. Quincy Street, Arlington, VA.





Like the PC that revolutionized the computer industry and made computers easier to use, SkyBuilt's Mobile Power Station can do the same things for renewable energy world-wide.





...take the components out of the container...



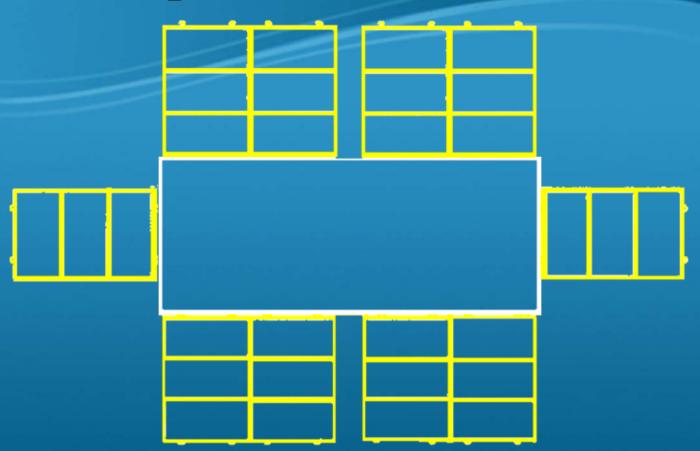
How Can I Use It?

Use the inside for lots of applications —



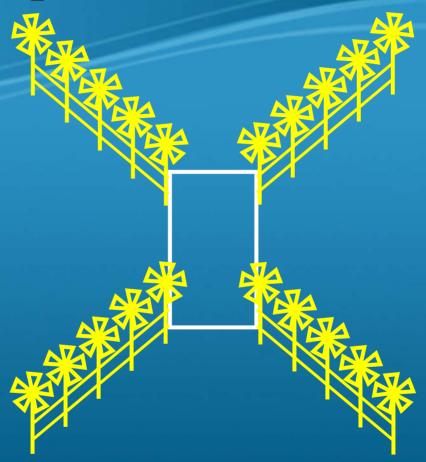
- An HVAC conditioned office
- All-purpose storage facility
- Telecom center
- Emergency operations and command center
- Or use it to pack in more power

SkyBuilt Power



Instant Solar Farm - Just add more solar panels





Instant Wind Farm - Just add more Wind Turbines



SkyBuilt's Renewable Humvee Pullable Trailer

Cut fuel use, quiet, more reliable, low heat/radar signature

Solar + Wind + Batteries + Backup Diesel Generator

Deploys in 45 min.



SkyBuilt Power

SkyBuilt Power SkyBuilt's Fold Out Instant Solar



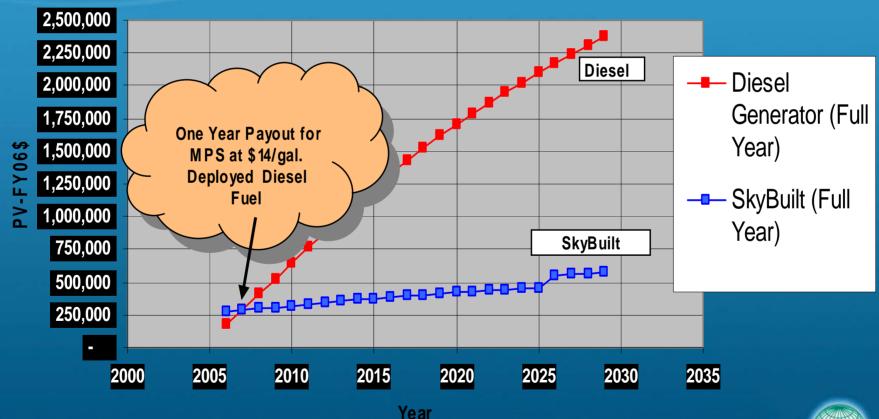


Instant Solar Deployed





Life Cycle Costs Diesel vs. SkyBuilt's MPS

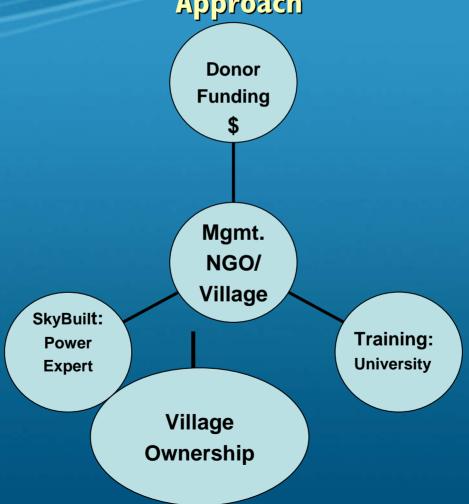


The Need for Water - SW Ethiopia





Structure for Sustainable Economic Development – Holistic Approach





\$1.9B to LSI for Non-standard Aircraft Parts & Support

BAE Exercising Its 'Put Ontion! Re. Airhus

and the non-linear battlefield. This is also an issue of cost, and reports indicate that foresighted CIA venture funding has even produced a front-runner for the coming contracts...

Cape Town South Africa



Competitive Advantage – Some Examples:

- "If you have a unique power need that is off grid and you want something that can deploy quickly, is rugged and will last for a long time, SkyBuilt is who you call. The CIA shouldn't be the only one to benefit." Pure Energy Systems News, emphasis added, 10/20/205.
- Maj. Gen. Zilmer, head of Multi-National Forces West, in Iraq, urgently requests renewable power systems, "singles out the Mobile Power system (MPS) a containerized solution built by SkyBuilt..." Defense Industry Daily, emphasis added, 8/23/06.



Competitive Advantage (cont'd.)

- "SkyBuilt Aims to Be the Dell of renewable energy systems," Open Source Energy Network, 10/20/2005
- "SkyBuilt Wins Energy Award for its Revolutionary Mobile Power Station," Netscape, Money and Business, 5/3/2006.
- "In Iraq, SkyBuilt systems could cut costs by 75 percent." USA Today online, 9/9/2006.



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