



CLEAN
TECH
OPEN

Connect | Enable | Accelerate

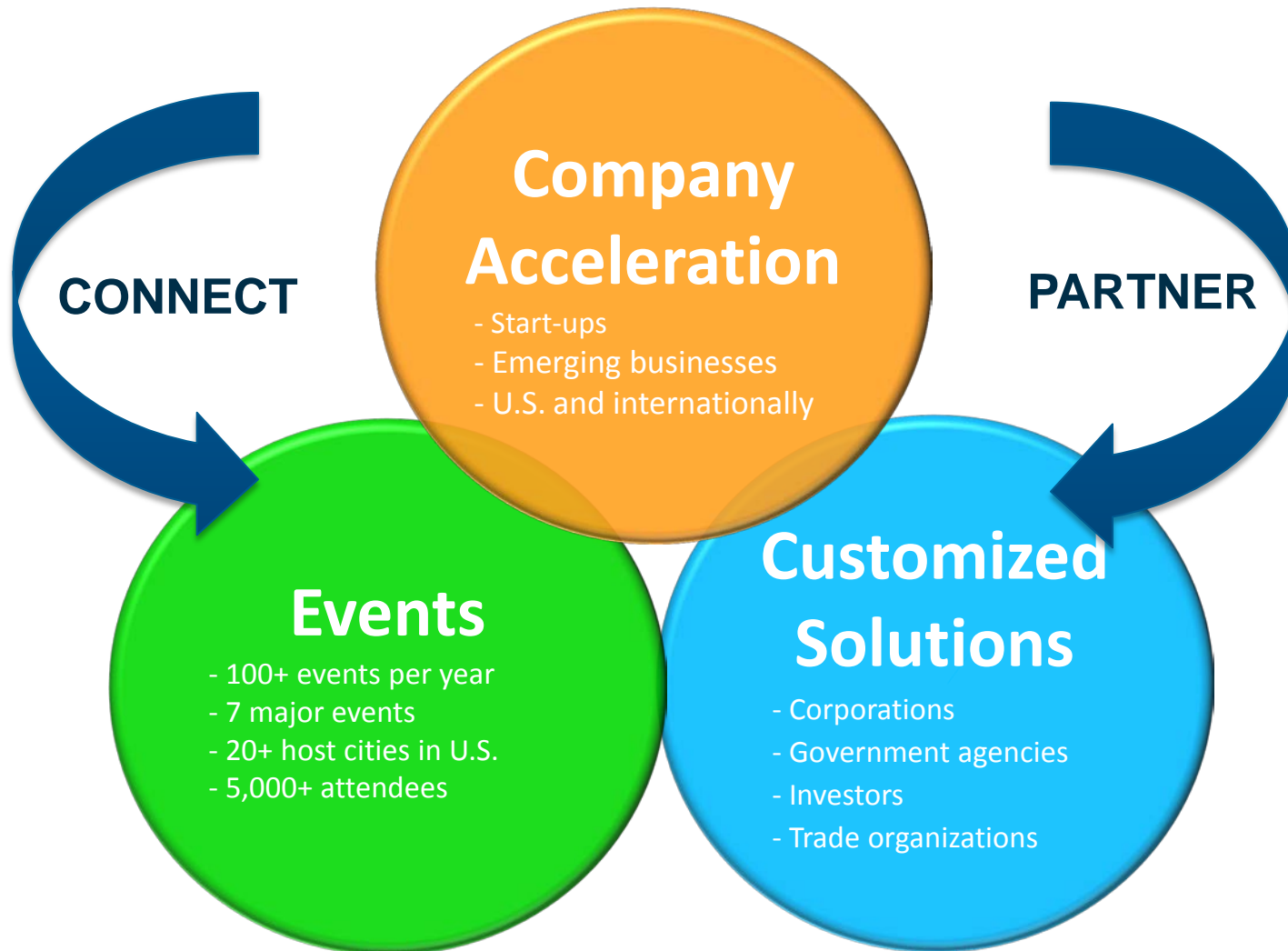
Presentation to MN Legislative Energy Commission

August 2014

We are a global cleantech innovation catalyst helping organizations capitalize on the world's greatest resource, environmental, and economic opportunities

How we catalyze:

1. Accelerate emerging businesses in structured programs and events
2. Partner with local, regional, and national organizations
3. Function as a “Connector” in local and regional communities
4. Provide customized solutions for corporations and governments



- **1-1 Mentoring**
 - Generalists, Specialists, Sustainability
 - Database across nation
- **Training Programs**
 - National academies on the coast
 - Virtual webinar series
 - Regional workshops in 10+ cities
- **Access to Capital**
 - VC, angel and strategic investors
 - Investor & Partner Connect
- **Showcasing**
 - Regional Summits
 - Global Forum
- **Press Exposure**
 - Future360.tv partnership
 - Regional and national press coverage



Events: Midwest





Energy Generation



Chemicals & Advanced Materials



Energy Efficiency



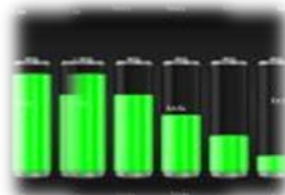
Information & Communication Technology



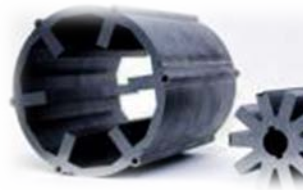
Agriculture, Water & Waste



Green Building



Energy Distribution & Storage



Transportation

- Founded as a division within the larger national 501c3 entity in 2010 and now spans two regions
- Graduated 70+ start-ups including two grand prize winners since 2010
- Divisional sponsor list includes Dow Ventures, GM Ventures, Faegre Baker Daniels, True North Ventures, NextEnergy, Wells Fargo, Energy Foundry, University of Phoenix, Future360.tv, Yellowblu, and Chevron
- Midwest divisional headquarters in Minneapolis at co-working space, CoCo Minneapolis
- Second location in Chicago at new cleantech-focused work space, Coalition



MIDWEST ENERGY NEWS

HOME NEWS OPINION

Chicago co-working space aims to make cleantech cooler

Posted on 01/09/2014 by Kari Lydersen

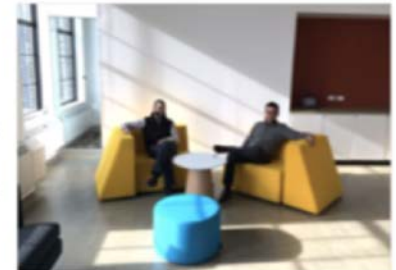
Look out the east side windows from the 12th floor of the historic Gage building in downtown Chicago, and you see Millennium Park and the glittering expanse of Lake Michigan.

Paradoxically, the view from the west side is also the lake's blue waters. It throws the viewer for a loop, until you realize that you're seeing the lake reflected in a neighboring sleek glass building.

This unexpected touch seems to symbolize the sense of unfettered possibility and imagination that developers are going for with this freshly painted orange and aqua space, that they hope will become a hive of entrepreneurship and innovation on the clean energy front.

It's a former hat factory turned co-working space complete with minimalist offices and retro phone booths — lacking seats so that no one will linger inside too long. It's meant to be something like 1871, Chicago's hotshot digital co-working space and startup incubator.

The new co-working space will soon be home to about a dozen cleantech and clean energy organizations and startups, including the [Cleantech Open](#), an accelerator that helps launch



David Rotbard, left, developer of Coalition:Energy and Jeremy Adelman of the Energy Foundry break in a new co-working space in Chicago. (Photo courtesy Jeremy Adelman)

Companies Graduated

- 800+ nationally since 2006
- 70+ in Midwest Central and Midwest North

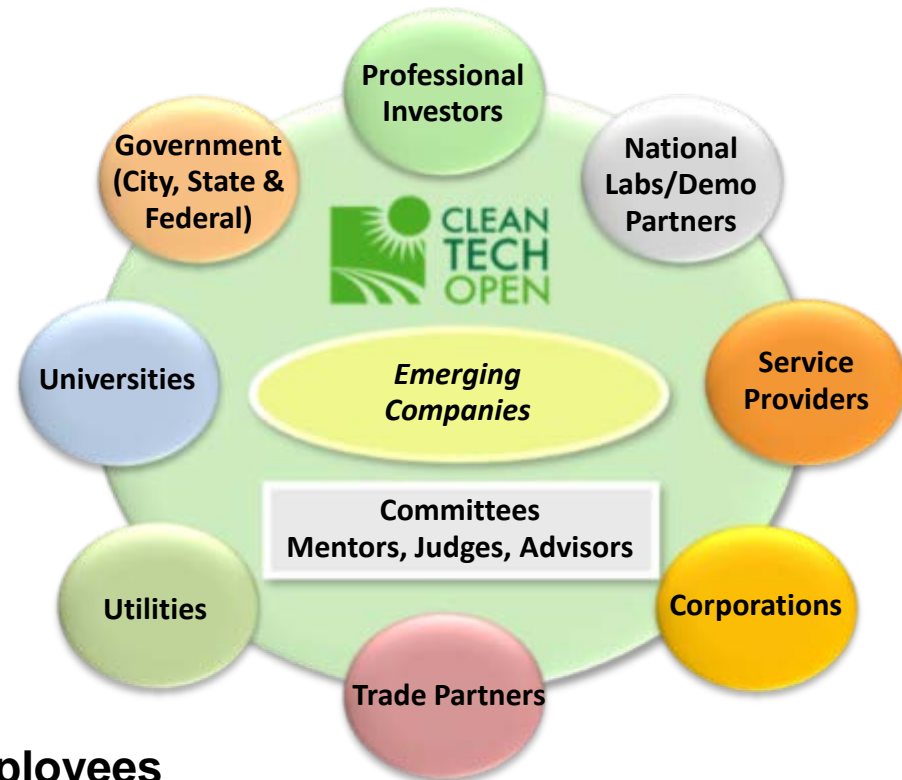
Support Network

- More than 1,000 professional volunteers
- Mentors available across the nation

Alumni Results

- ~\$1 Billion raised, 2,500+ jobs, 250 patents
- Greater than 50% still viable, 5x the average!

- ✓ **Networking with other thought leaders**
- ✓ **Technology sourcing**
- ✓ **Trend awareness**
- ✓ **Client and partner development**
- ✓ **Access to workforce talent**
- ✓ **Employee development platform**
- ✓ **Speaking and panel opportunities**
- ✓ **Branding (local, regional, national)**
- ✓ **Event access (100+ annually)**
- ✓ **Support for CSR/Sustainability initiatives**
- ✓ **Fun and hands-on volunteer roles for employees (mentor, judge, workshop expert, committees)**
- ✓ **Advisory services**





SHEERWIND

Changing the Course
of Power Generation

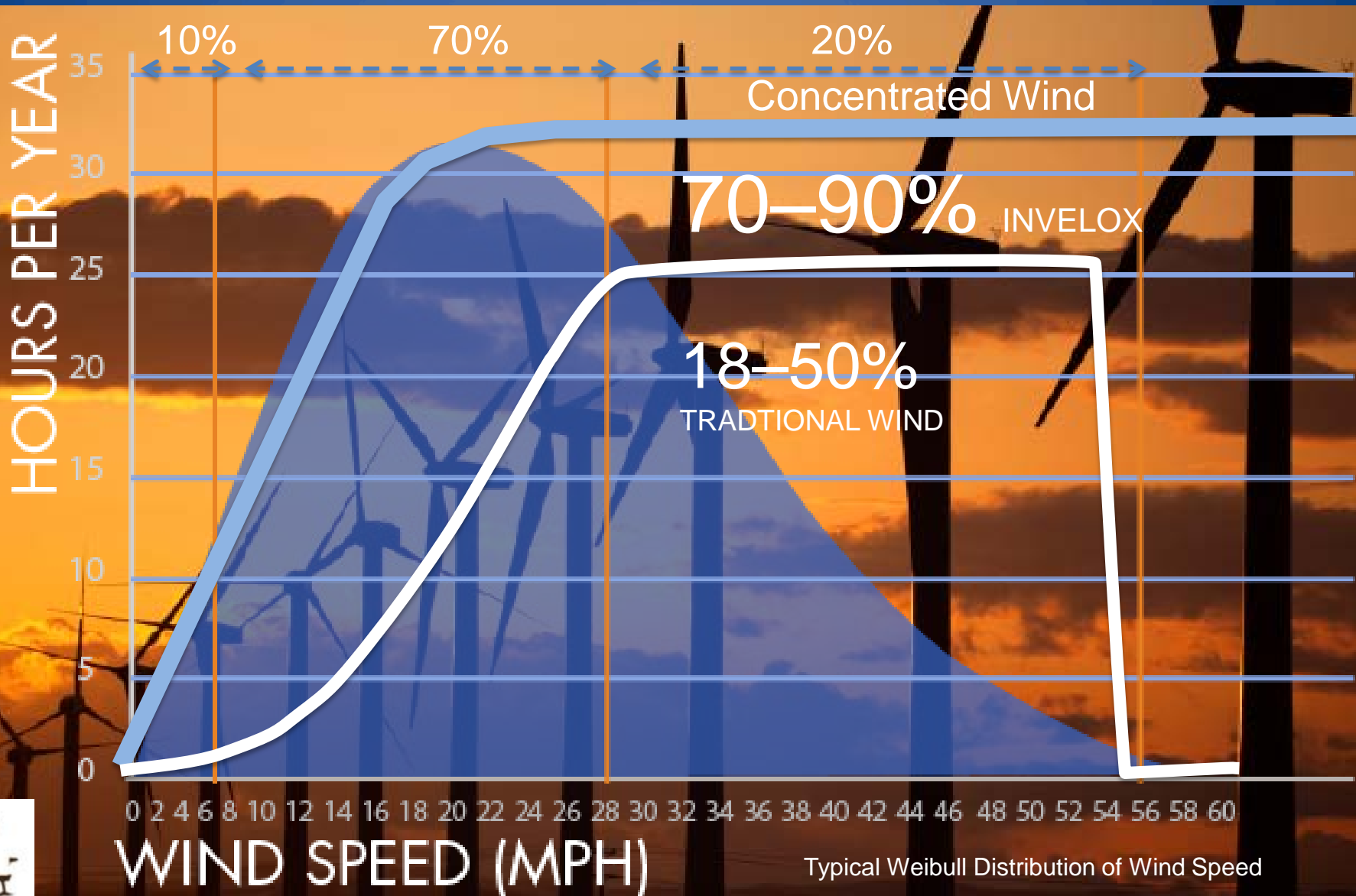
SheerWind's Mission:
To provide affordable, clean
electrical power to anyone, anywhere.

How?

- SheerWind's INVELOX technology increases the capacity of wind by concentrating wind.
- INVELOX applies hydro-power principles to wind for greater output while placing turbine/generators safely at ground level.
- This process of capturing, concentrating, and accelerating wind energy transforms wind into a reliable, base-load power source.



Capacity of Wind



How INVELOX Works



1.
Intake captures wind

WIND Speeds
as Low as
1 mph

Wind Capacity
70–90%

2.
Collected wind
is channeled
to pick up speed

Venturi
effect
begins

Turbines or
generators
harvest
concentrated
wind

Wind
returns to
environment

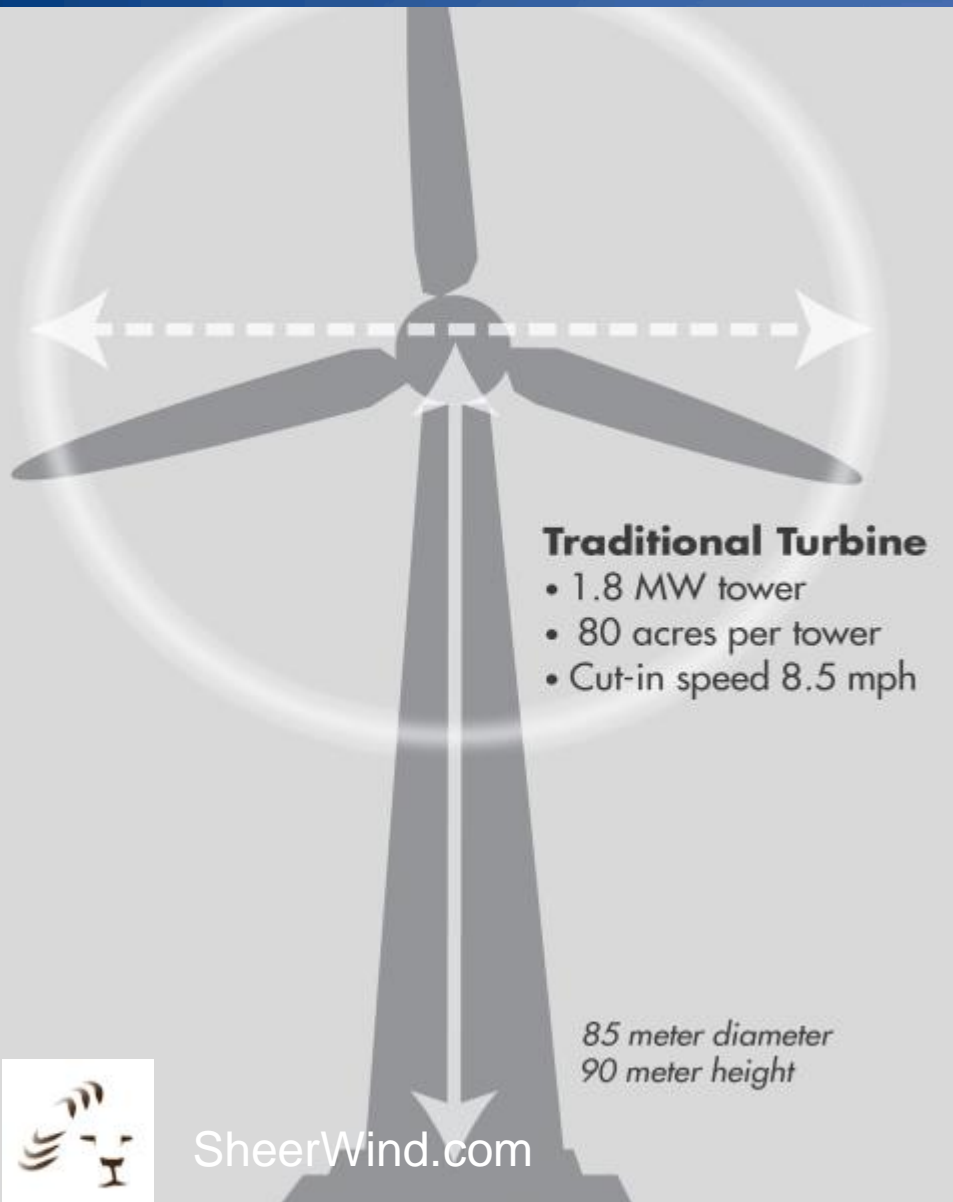
3.

4.

5.



INVELOX vs Traditional Wind Turbine



Traditional Turbine

- 1.8 MW tower
- 80 acres per tower
- Cut-in speed 8.5 mph

85 meter diameter
90 meter height

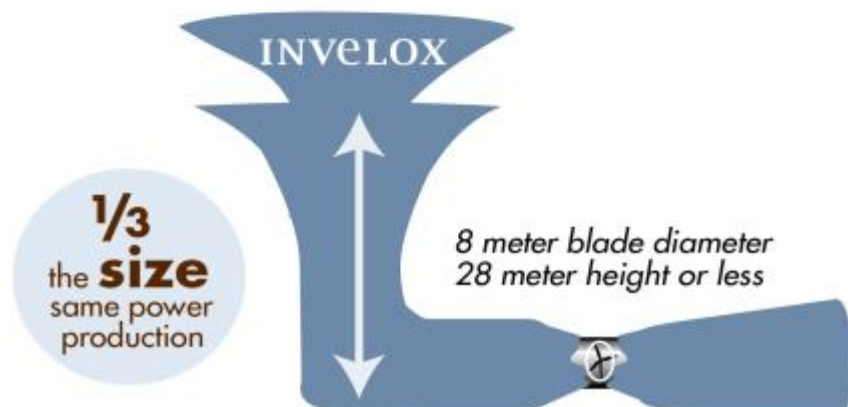
SheerWind.com



- 64%** less net cost per MWH
- 43%** less CAPEX
- 50%** less O&M cost

INVELOX System

- **1.8 MW** tower
- **10 acres** land per tower
- Cut-in speed **2 mph**

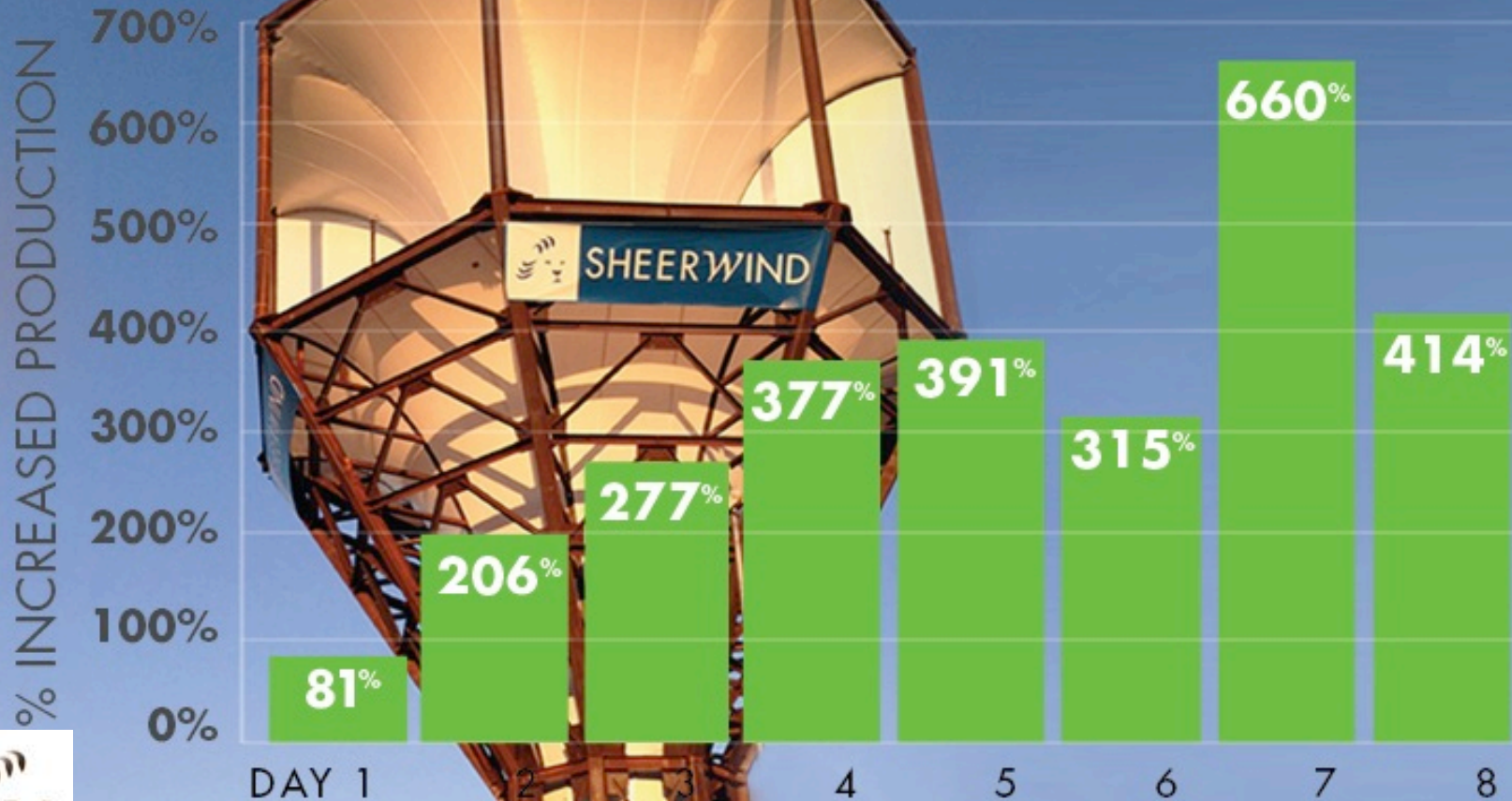


1/3
the **size**
same power
production

8 meter blade diameter
28 meter height or less

INVELOX Performance

Energy Production Improvement



INVELOX Provides Affordable Clean Energy

Markets

Utility Scale: \$400 Billion

Buildings Operations: \$900 Billion

Emergency Mobile: \$50 Billion

Image the Possibilities

Industrial Parks

Urban Buildings

Commercial Buildings

Water Towers

Cellular Towers

Retrofit Wind Towers

Retrofit Smokestacks

Farms/Silos

Retail Stores

Rural Communities

Islands/Offshore

Off-grid Locations

Rapid Deployment

Emergency Power

Military & FEMA

Emergency Medical



Sheerwind.com

Global Sales Pipeline

Project No	Anticipated Year for Pilot	Location	[kW] Pilot Size	CAPEX for Pilot Size [\$1000]	Anticipated Year for Expansion	[kW] Full Implementation	CAPEX for Full Implementation [\$1000]
1	2014-15	Dubai-UAE	250	\$625	2016-2020	2,000,000	\$1,600,000
2	2014-15	IA-USA	5,000	\$8,125	2016-2017	20,000	\$28,000
3	2015-16	Dubai-UAE	0	\$0	2016-2022	5,000	\$4,000
4	2015-16	CZ-Europe	500	\$1,250	2017-2018	500	\$700
5	2014-15	MN-USA	40	\$100	2016-2017	160	\$224
6	2014-15	MN-USA	500	\$813	2016-2017	1,500	\$2,100
7	2014-15	FL-USA	200	\$500	2015-2016	300	\$420
8	2014-15	FL-USA	250	\$625	2015-2016	1,800	\$2,520
9	2015	Bangkok, Thailand	2,000	\$5,000	2015-2016	100,000	\$140,000
10	2015	Netherlands	500	\$1,250	2015-2016	500	\$700
11	2014-15	NY-USA	200	\$500	2015-2016	400	\$560
12	2014-15	Goa, India	1,000	\$1,500	2015-2017	50,000	\$70,000
13	2014-15	MI, USA	400	\$1,500	2016-2017	9,600	\$36,000
14	2014-15	RI, USA	2	\$0	2015-2016	400	\$10,000
Total			10,842	\$21,788		2,190,160	\$1,895,224



Milestones

	Milestones	Year									
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1	<ul style="list-style-type: none"> • Feasibility • Build Team • Supply Chain • Validation • Field Test • Demo Unit 										
2	<ul style="list-style-type: none"> • Commercialize • First Sales Ramp • Raise A Round 										
3	<ul style="list-style-type: none"> • Build Team • Increase Sales 										
4	<ul style="list-style-type: none"> • Grow Core Sales • New Products 										
	Sales (\$Millions) Forecasted	0.0	0.05	4.5	13.0	20.3	44.1	80.4	111.3	132.3	234.9
	Cash Flow After Tax (\$Millions) Forecasted	(1.6)	(0.5)	(1.9)	1.7	3.7	8.6	16.8	25.3	34.9	67.6
		<small>Legal Disclaimer: ShareWind does not guarantee the accuracy of the information provided nor is obligated to update this information. Any forecasted information is based on the judgment of the S/W, and actual results may vary from information presented.</small>									

\$3.2M Seed Raised

Investors: Founder, Management, Board, Partners, & Angels

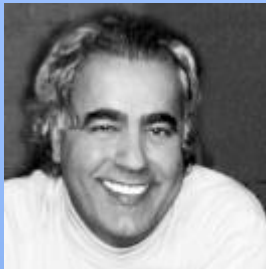
Ramp Sales with Global Pipeline

\$5M A Round 2H14 Use to Convert Pipeline to Sales & B/E 2015

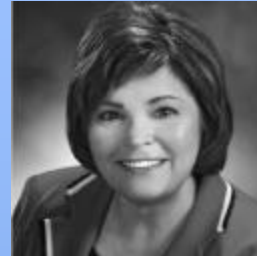
Increase Licensing & Turn-Key Revenue

Grow Core Sales & New Products

SheerWind Team



Dr. Daryoush Allaei PE
Founder, Chief Executive Officer
25 years of Technology & Business
Development, 20 US Patents &
15 International Patents,
MSME, Ph.D., Purdue University



Cyndi Leshner
President
Chief Administrative Officer
Former President NSP/Xcel Energy



Mark Borman
Chief Financial Officer
Startup, Private Equity,
IPO, Public Companies



Mohan Natarajan
VP Corporate Development
Former Senior finance executive
at ExxonMobil and MD at investment
firm LN Holdings



Col. Steve Hill (Ret)
Chief Operating Officer
Former Chief of Staff
for Army Corps of Engineers



Carla Scholz
**VP Marketing &
Communications**
Owner CCScholz Design Group



ACCELERATED INNOVATIONS

&

QUADROI

ZACK TAMBLE

DSM INSIGHTS

Who has time to search through regulatory filings?

Benchmark program performance in seconds!



MYMETER

Engaged Customers. Smarter
Support. Managed Demand.
It all happens when raw data becomes real impact.

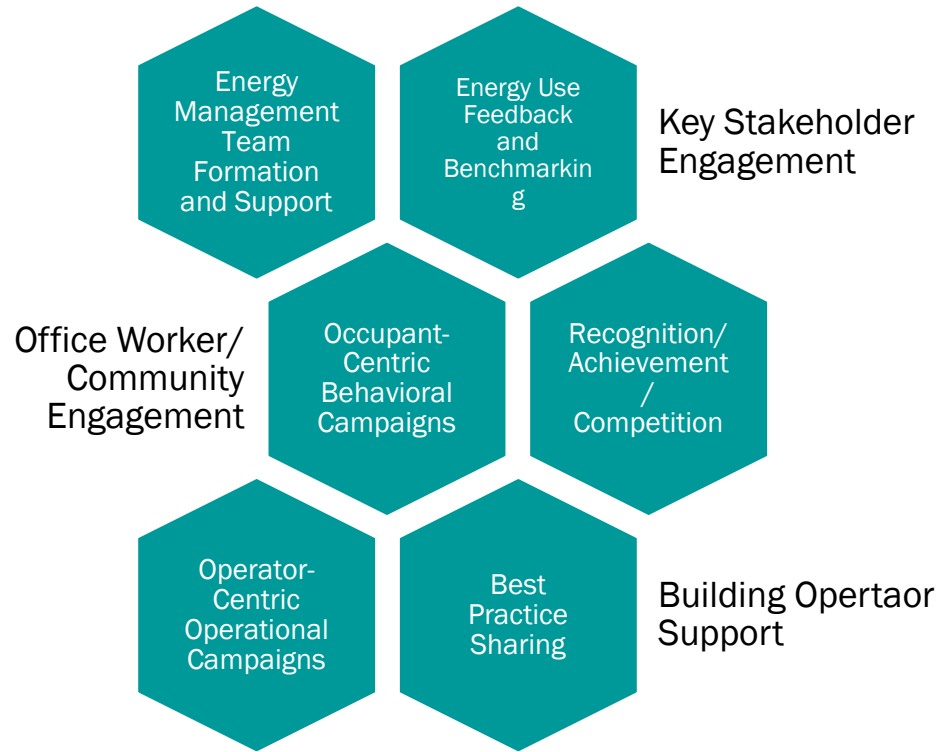


mymeter 

A Web-based energy information portal which provides consumers real-time usage information and tools for greater control over their electric bills.

[CLICK HERE TO LEARN MORE](#)

SMART ENERGY IN OFFICES



THANK YOU!



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