



Solving the  
World's Water  
Challenges.

24<sup>th</sup> Annual ROTH Conference  
March 2012

Charles Vinick  
Chairman and CEO



**Cautionary Statements Regarding Forward-Looking Information:**

This presentation contains forward-looking statements including statements regarding our 2012 forecast and financial outlook, market opportunities and future potential verticals for Ozonix®. Forward-looking statements can be identified by words such as “anticipates,” “intends,” “plans,” “seeks,” “believes,” “estimates,” “expects” and similar references to future periods. Forward-looking statements are based on our current expectations and assumptions regarding our business, the economy and other future conditions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict. Our actual results may differ materially from those contemplated by the forward-looking statements. We caution you therefore against relying on any of these forward-looking statements. They are neither statements of historical fact nor guarantees or assurances of future performance. Important factors that could cause actual results to differ materially from those in the forward-looking statements include a decline in the price of natural gas, competition and predatory pricing from larger companies, the acceptance of the EF80 and its effectiveness in the field, reluctance of businesses to change to new technologies, federal or state regulations which affect hydraulic fracturing, problems that arise from the manufacturing of the units, delays in receipt of parts from component manufacturers and issues in the capital markets which affect our ability to raise money in order to enter other markets.

Further information on Ecosphere’s risk factors is contained in its filings with the Securities and Exchange Commission, including the Form 10-K for the year ended December 31, 2010. Any forward-looking statement made by us speaks only as of the date on which it is made. Factors or events that could cause our actual results to differ may emerge from time to time, and it is not possible for us to predict all of them. We undertake no obligation to publicly update any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by law.





## Who We Are

- A diversified water engineering, technology licensing and environmental services company
- We design, develop, manufacture and license wastewater treatment technologies for a variety of industrial markets





## Leaders in Advanced Oxidation Processes (AOP)

- 20 Years Experience:
  - Developing mobile, advanced oxidation processes and technologies
  - Deploying technical equipment around the world to serve:
    - **Heavy Marine Industry:** Arsenics and toxic waste streams
    - **Disaster Response:** Natural disasters and terrorist attacks
    - **Renewable Energy:** Off-grid micro-utilities
    - **Oil & Gas Industry:** Hydraulic fracturing of oil and natural gas wells
- Experts on the cavitating properties of water







## 30+ Clean Tech Patents

- Ecosphere Technologies, Inc. has an extensive portfolio of patents and registered trademarks that have been filed and approved in various locations around the world
- The majority of our green technologies focus on the cavitating properties of water and eliminating the wide-spread use of toxic chemicals through technologies like our patented, Ecosphere Ozonix® technology
- Ecosphere's patents can be licensed for use in large-scale and sustainable applications across industries, nations and ecosystems. Approved U.S. patents include but are not limited to:

United States Patent No. 7,699,994

United States Patent No. 7,699,988

United States Patent No. 7,785,470

United States Patent No. 7,100,844

United States Patent No. 6,745,108

United States Patent No. 6,564,815



United States Patent No. 6,595,152

United States Patent No. 6,604,696

United States Patent No. 6,425,340

United States Patent No. 6,287,389

United States Patent No. 5,849,099

United States Patent No. 5,628,271





## Bacteria, Biofilms and Corrosion



- Biofilms:
  - Biofilms are complex, three-dimensional communities of living microorganisms
  - Biofilms flourish in water, attach to surfaces and are highly resistant to chemical biocides
- Microbiologically Induced Corrosion (MIC):
  - Biofilms are responsible for the severe corrosion issues found in wastewater systems
  - Microbial biofilms form the nucleation sites for scale, corrosion & pipe fouling





# **Chemical-Free Water Treatment**

## Microbial Control

- SRB (Sulfate Reducing Bacteria) Elimination
- APB (Acid Producing Bacteria) Elimination

## Scale Prevention

- Iron Sulfide Elimination
- Microbial Biofilm Destruction

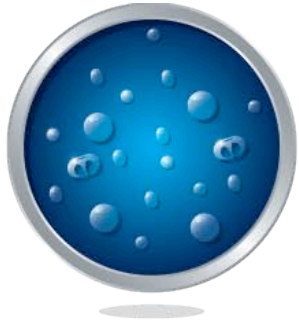
## Corrosion Control

- Organic Scale & Corrosion Control
- Iron Oxidation & Scale Crystallization Elimination

## Friction Reduction

- TDS Reduction
- Water Softening





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**HYDRODYNAMIC  
CAVITATION**

**OZONE**

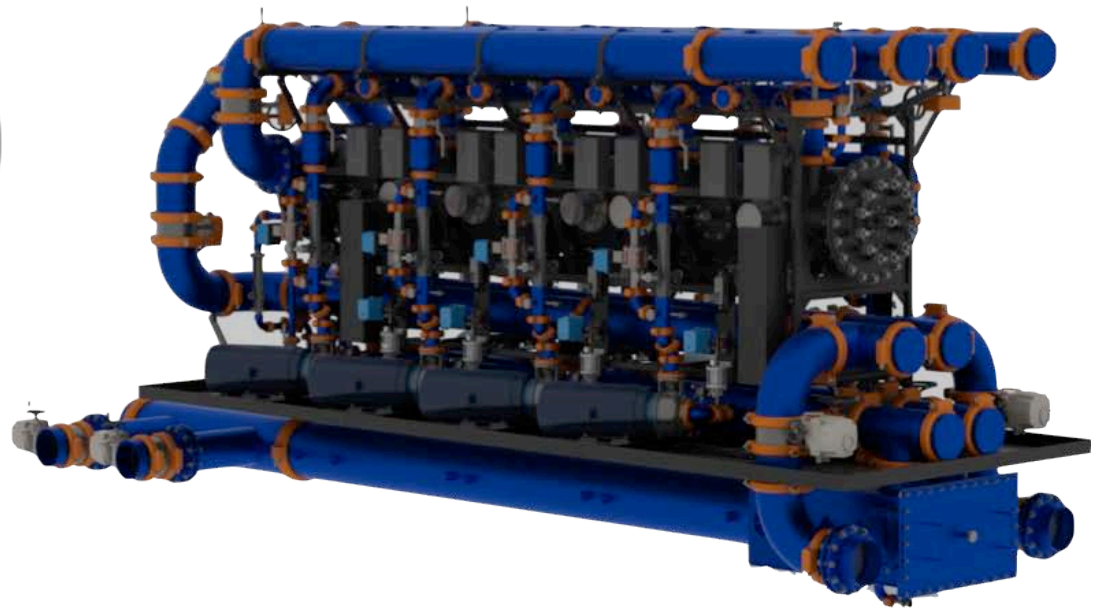


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**ACOUSTIC  
CAVITATION**

**ELECTRO  
OXIDATION**



U.S. Patents: 7,699,994 / 7,699,988 / 7,785,470 / 7,943,087







## Hydraulic Fracturing



- First, mobile, high-volume AOP to be approved by the Oklahoma Corporation Commission for Newfield Exploration to treat flowback water to ground discharge levels
- First Ozonix® chemical-free frac completed at SVN Energy on November 9, 2010 to eliminate chemical biocides at the flow rate of the frac – 5,000 Gallons/Minute





## Ozonix EF10



**RECYCLES**  
**10**  
**BPM**

### Performance Features

- 400 gallon per minute flow rates
- Self-contained mobile frac tank
- On-board 60 KW diesel generator
- 500 Bbls water holding capacity

## Ozonix EF20

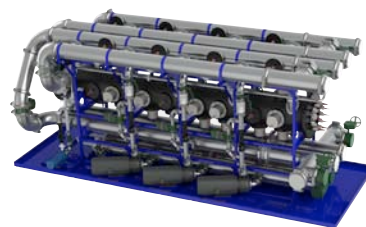


**RECYCLES**  
**20**  
**BPM**

### Performance Features

- 800 gallon per minute flow rates
- Self-contained mobile frac tank
- On-board 60 KW diesel generator
- 500 Bbls water holding capacity
- Reduced Footprint

## Ozonix EF60

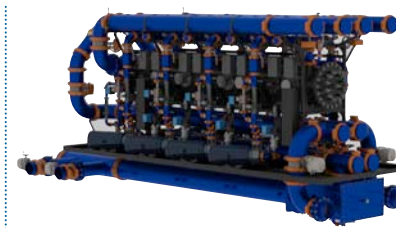


**RECYCLES**  
**60**  
**BPM**

### Performance Features

- 2500 gallon per minute flow rates
- Self-contained 53' mobile trailer
- On-board 600 KW diesel generator
- Automatic PLC. Remote Monitoring
- Treat at the flow rate of the frac

## Ozonix EF80



**RECYCLES**  
**80**  
**BPM**

### Performance Features

- 3300 gallon per minute flow rates
- Self-contained 53' mobile trailer
- On-board 600 KW diesel generator
- Automatic PLC. Remote Monitoring
- Treat at the flow rate of the frac





## EES Treats 1 BILLION Gallons of Water

2008



2009



2010



2011



## On Over 475 Oil and Gas Wells







## INFLUENT



**45 Billion SRB / ml**

## OZONIX EFFLUENT



**95 SRB / ml**

**One Pass Treatment at 3,300 GPM**

Source of the influent water (tested by an independent laboratory) was a 30K bbl storage pit of 100% flowback water from the Fayetteville Shale







## PUBLIC RECOGNITION



*“One of the Dominant Providers of Water Treatment for the Shale-Gas Industry”*



*“Techno-Economic Assessment of Water Management Solutions”*



*“Water Chemicals and Competitors:  
The Long, Long March of the “Chemical-Free” Revolution”*



Selected as one of 2011's TOP 50 Water Companies  
*“Building Momentum for Advanced Water Technology Solutions”*



Case Study presented to over 400 industry experts at the  
Shale Gas Water Management Marcellus Initiative in Pennsylvania



Ozonix® mentioned as the “gem” of Drew Bledsoe' investment portfolio





## Minimum \$44+ Million Contract

- Ozonix® Technology Licensing Agreement with Hydrozonix, LLC
- Field-Of-Use: United States Onshore Oil and Gas Exploration and Production
- Minimum 16 Unit Order over Initial 24 Months to Maintain Exclusivity



# Open Innovation. A Proven Business Model



Step 1 Identify an Environmental Challenge



Step 2 Invent New Technologies & File Patents



Step 3 Partner with Industry Leaders



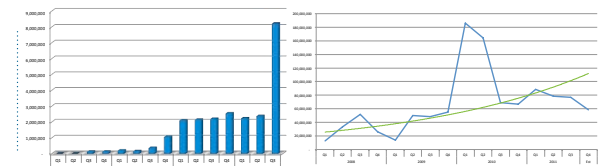
Step 4 Commercialize the Technology



Step 5 Sell or License the Technology

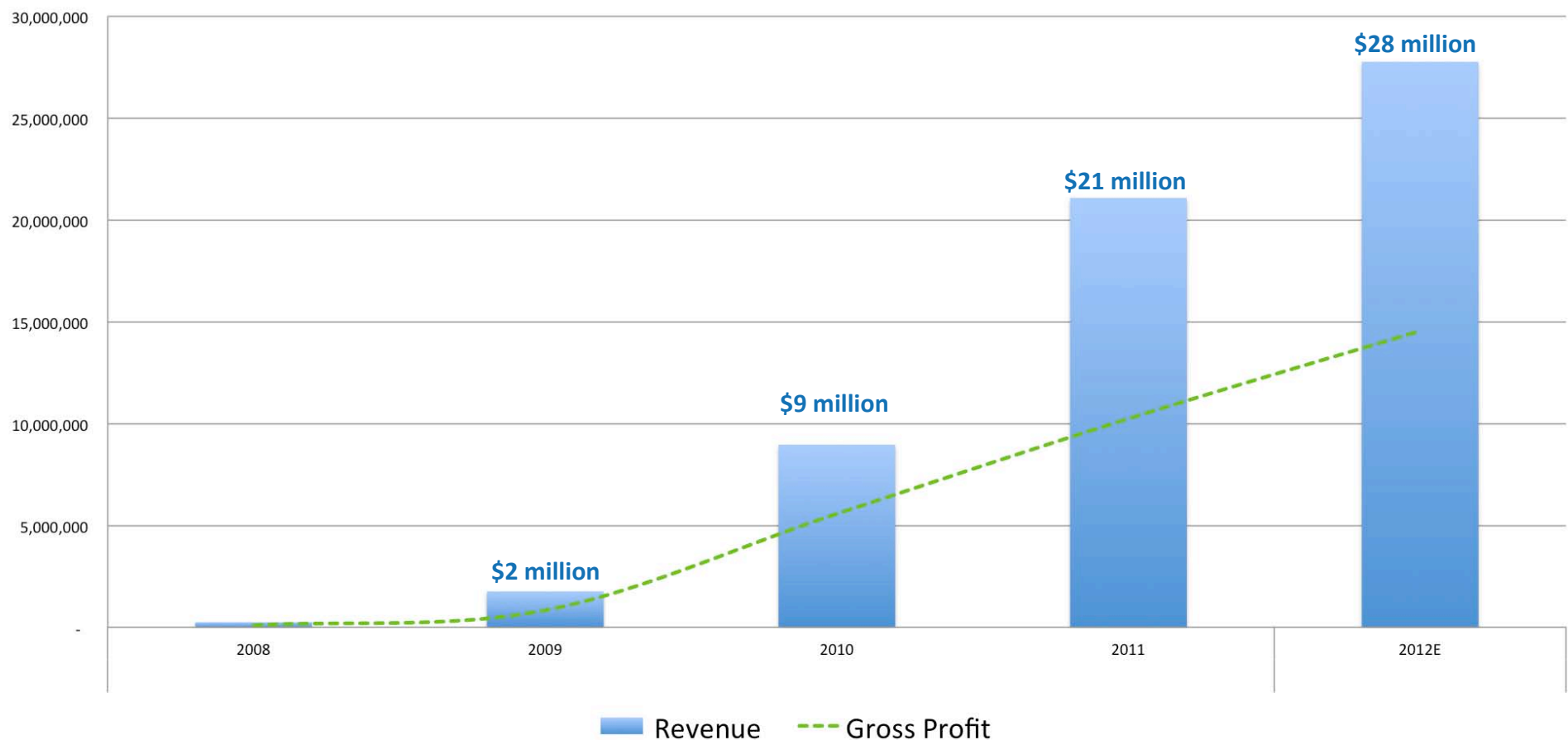


Step 6 Increase Shareholder Value





## Revenue and Gross Profit





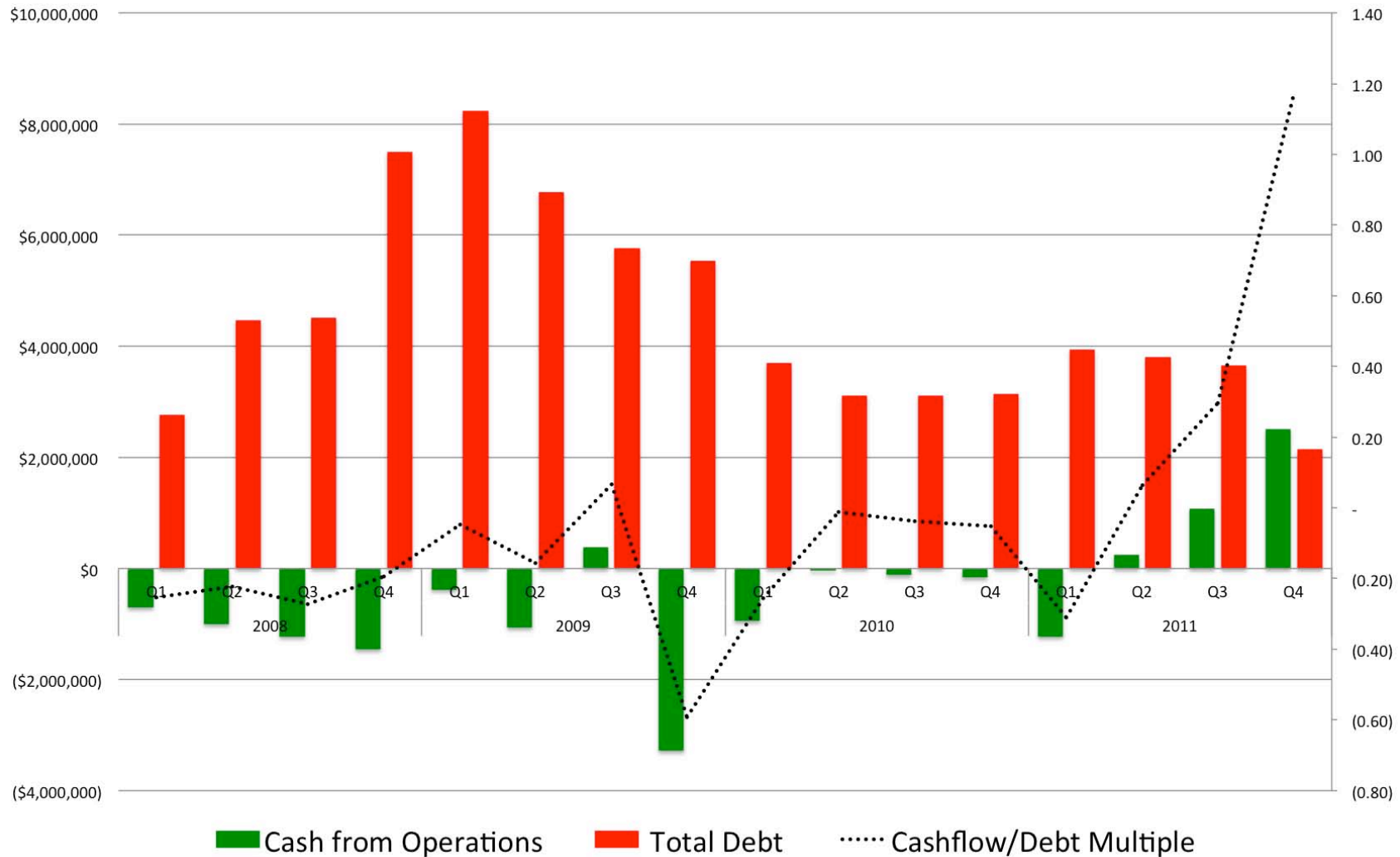


## Cash from Operations



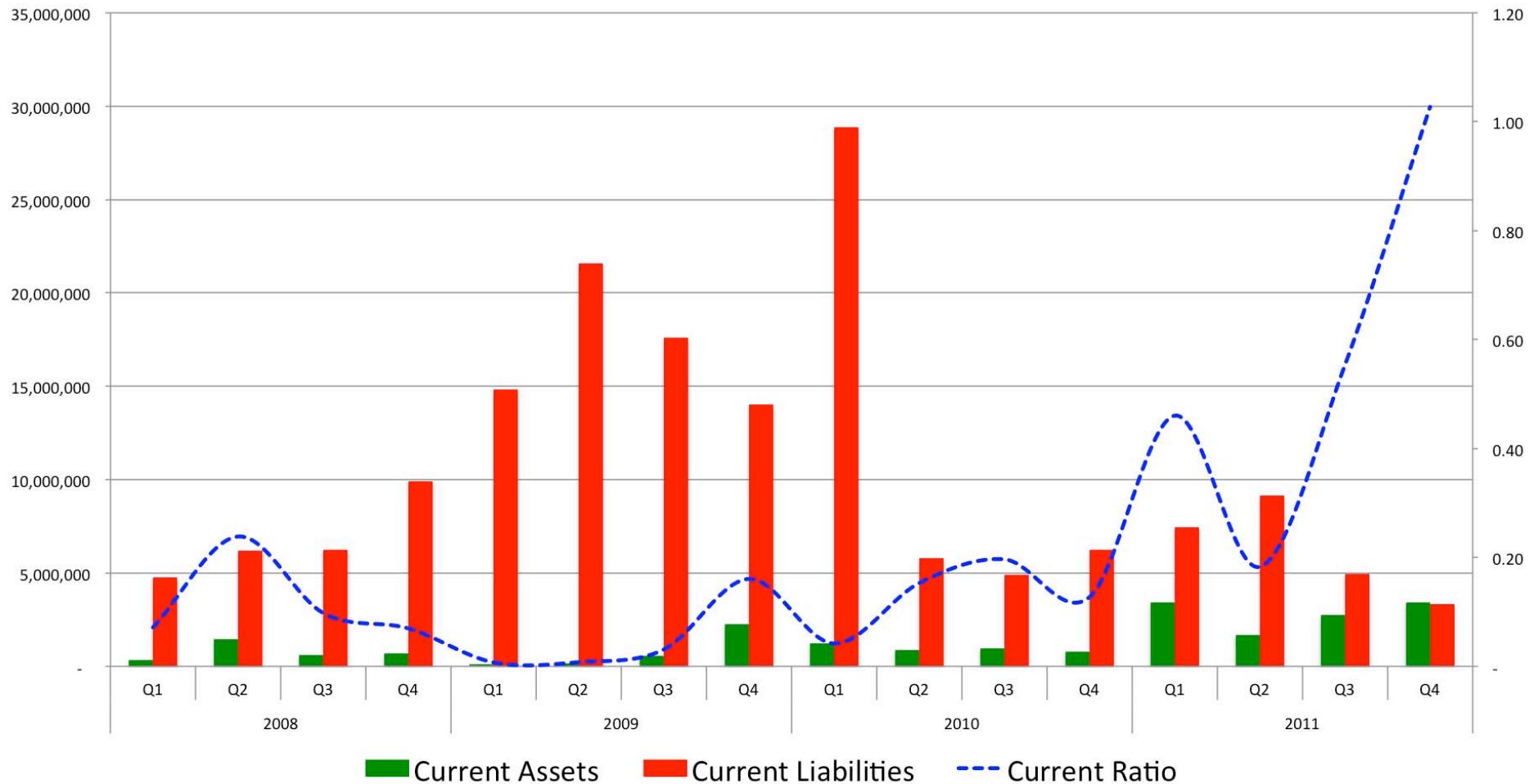


## Cash Flow to Debt



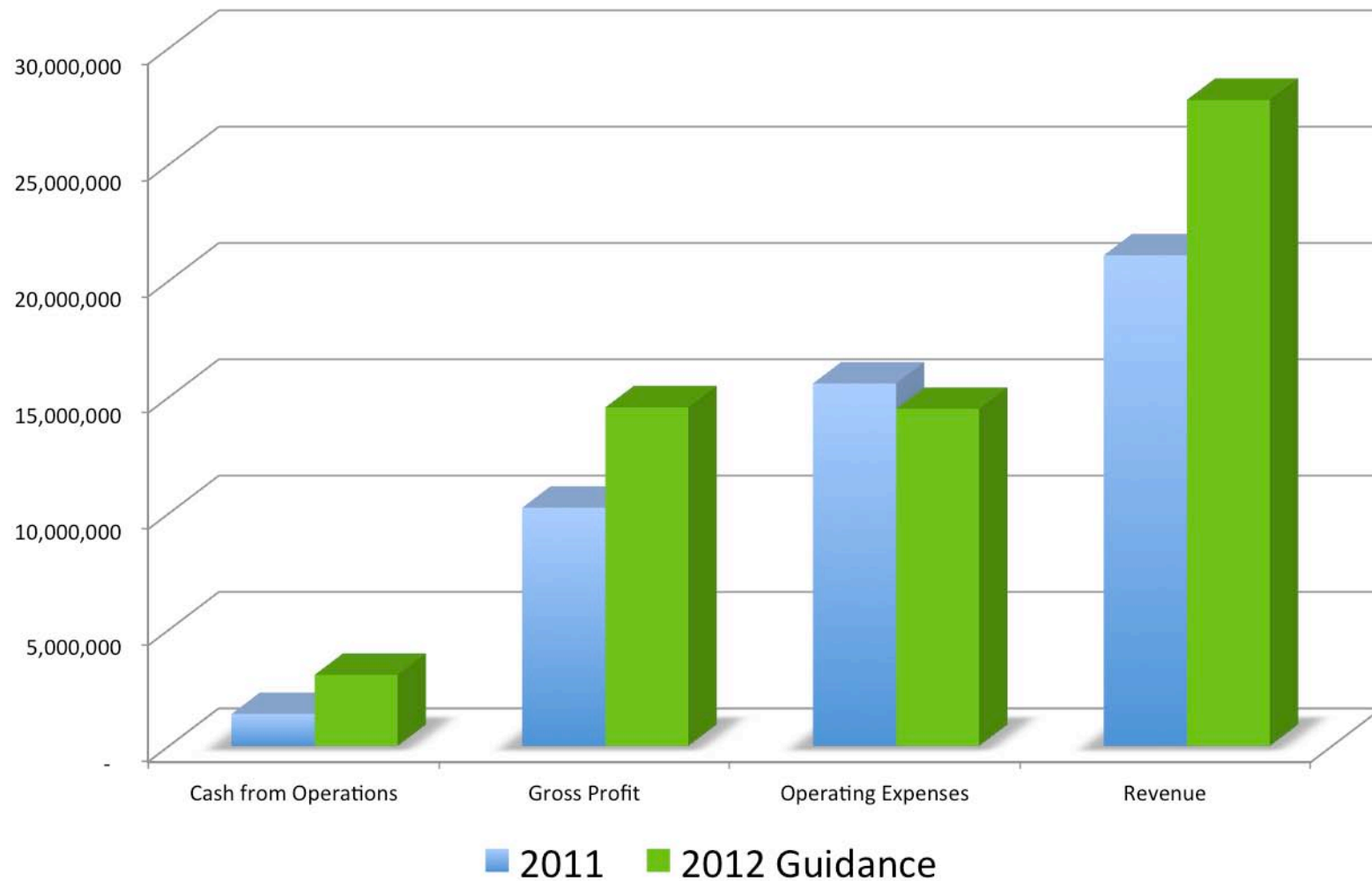


## Working Capital





## 2012 Forecast





# Experienced Management Team



## **Charles Vinick**

Chairman & Chief Executive Officer

- 30+ years executive experience
- Environmental solutions and renewable energy development consultant

## **Dennis McGuire**

Founder & Chief Technology Officer

- Inventor of all Ecosphere Intellectual Property: 30+ U.S. & International Patents
- 20 years experience, research & development on the cavitating properties of water

## **Adrian Goldfarb**

Chief Financial Officer

- Ecosphere CFO since 2008
- 25 years of technical experience including work with IBM & Fujitsu

## **Michael Donn**

Chief Operating Officer

- Ecosphere COO since 2000
- Former President, Miami-Dade County Fire Fighter's Association

## **Robert Cathey**

Chief Executive Officer, Ecosphere Energy Services, LLC

- EES CEO since 2011 and COO since 2008
- West Point Graduate; U.S. Army Veteran, Operation Iraqi Freedom; 2 Bronze Stars

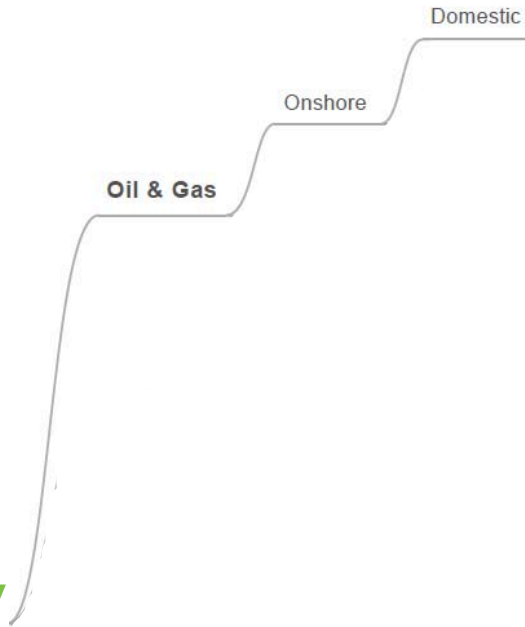


# The Future of OZONIX®



**Ozonix®**

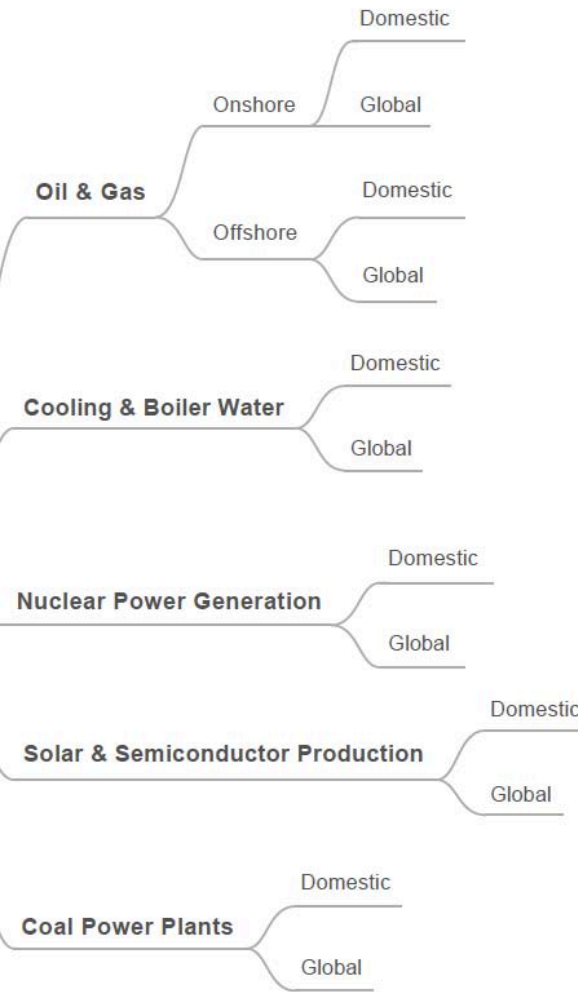
**ENERGY**



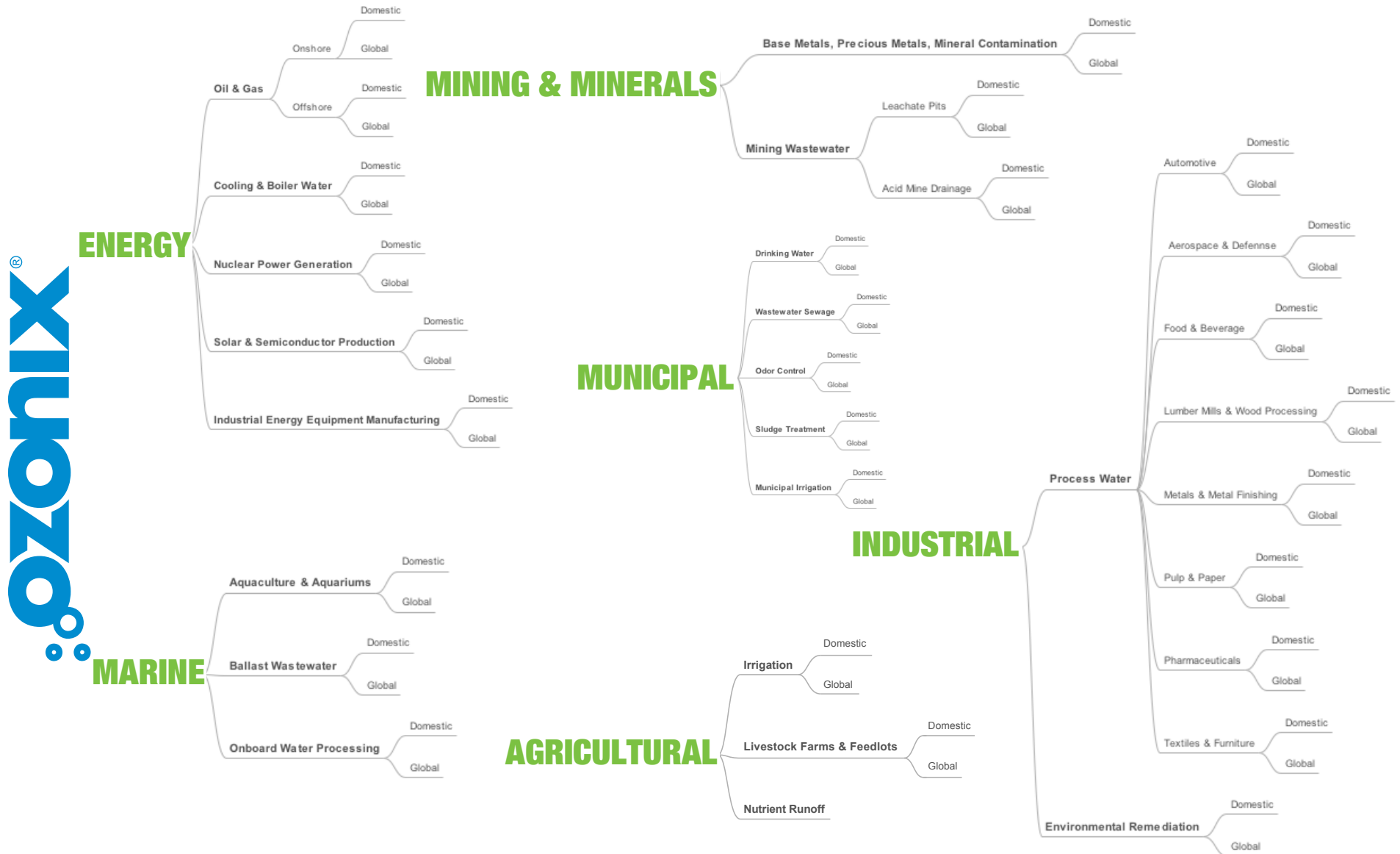
# The Future of OZONIX®



## ENERGY



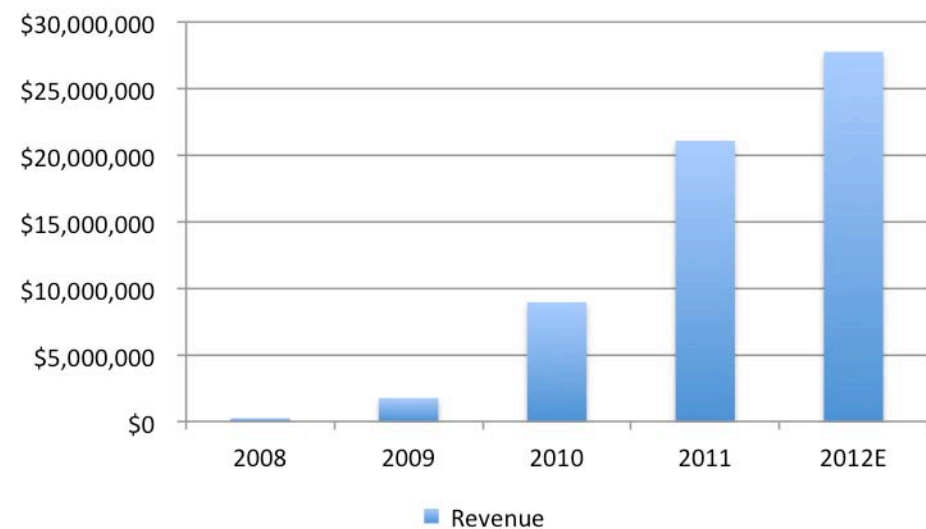
# The Future of OZONIX®







- **Strong patent portfolio** of disruptive technologies across multiple applications
- **Extensive market opportunities** for Ozonix to support future growth
- **Strong financial performance** growing revenue, gross margins, & cash from operations
- **Recurring revenues** with technology licensing & service business model
- **Experienced management team**
- **Proven results**



# Corporate Information



## General Information

Ecosphere Technologies, Inc. is a diversified water engineering, technology licensing & environmental services company that designs, develops, & manufactures wastewater treatment solutions for industrial markets.

Ecosphere is dedicated to solving critical water recovery, treatment and recycling challenges for major industries around the world, while improving the quality of life and the environment

## Market Data as of March 8, 2012

OTCQB: ESPH

Shares of Common Stock Outstanding – 148,011,792

Management and Board Ownership – 39,310,850

52-Week Price Range - \$0.61 (03/08/2011) - \$0.73 (03/08/12)

## Investor Contacts

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