Michael Rocke

Vice President of Business Development at V-grid Energy Systems

Dallas/Fort Worth Area | Renewables & Environment

500+ connections

Current	V-grid Energy Systems
Previous	Cool Planet Energy Systems, Transonic Combustion, AdaptivEnergy
Recommendations	**1** person has recommended **Michael**

Summary

March 2016 -V-grid operational update
We now have a full size demo operating at a farm site making low cost electricity and pumping water for 20% of normal utility costs. System is also making high grade bio-char that can go back into the soil for carbon benefits.CA central valley is our initial market with large interest and many LOI's in place.

*V-Grid can make on demand renewable electricity at one tenth the cost of diesel generation or battery stored solar & wind power
*A full size prototype is operating today in V-Grids Los Angeles R and D facility.
*The lead investor for the Series A is Exelon Corp. (NYSE:EXC), a top-ranked electric and gas utility on the FORTUNE 500 every year since 2008. Exelon has verbally committed to B round pro-rata.
*The V-Grid team has been awarded two World Economic Forum Energy and the Environment awards and two CERA Technology Pioneer awards on previous development projects.
*B round funds will be used for establishing high visibility field test programs, building the first pre-production systems, which will be available starting Q3 2015. Volume production is expected to begin in early 2016.
* The V-Grid energy system basic unit is a 100kW energy server consisting of an automated micro-gasifier & high compression genset. Targeting $50K cost in volume.

*The system produces renewable electricity and bio-carbons with a levelized cost of energy: $.02 to $.04/kWh

November 6,2014
V-grid Energy is a start-up that has technology that can convert low cost and renewable materials into electricity at a higher efficiency than the U.S. power grid and for very low capital cost.

Experience

Vice President of Business Development

V-grid Energy Systems

November 2014 – Present (1 year 9 months)

Vice President of Business Development
Cool Planet Energy Systems
March 2010 – October 2014 (4 years 8 months)

Vice President of Business Development
Transonic Combustion
July 2007 – March 2010 (2 years 9 months)

CEO
AdaptivEnergy
February 2007 – June 2007 (5 months)

CEO
Rocke Capital Ventures
December 2004 – January 2007 (2 years 2 months)

Investment Director
Intel
November 1998 – October 2004 (6 years)

Intel Capital Director-Mobile Computing new power solutions
Intel Capital
1999 – 2004 (5 years)

Engineering Manager
Intel Corporation
1983 – 1998 (15 years)

Project Manager
Siemens AG
1985 – 1989 (4 years)

Sr Process Engineer
National Semiconductor
1981 – 1983 (2 years)

Staff Researcher
Lawrence Livermore Laboratory
1979 – 1981 (2 years)

Skills

Renewable Energy | Energy | Strategic Planning | Venture Capital | Private Equity

Business Strategy | Start-ups | Entrepreneurship | Corporate Development | Mergers

Cleantech | Business Development | Strategy | Mergers & Acquisitions | Solar Energy

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Publications

Copper-coated laser-fusion targets using molecular-beam levitation

American Vacuum Science

November 1981

A series of diagnostic experiments at the Shiva laser fusion facility required targets of glass microspheres coated with 1.5 to 3.0 micrometers of copper. Previous batch coating efforts using vibration techniques gave poor results due to microsphere sticking and vacuum welding. Molecular Beam Levitation (MBL) represented a noncontact method to produce a sputtered copper coating on a single glass microsphere. The coating specifications that were achieved resulted in a copper layer up to 3 micrometers thick with the allowance of a maximum variation of 10 nm in surface finish and thickness. These techniques developed with the MBL may be applied to sputter coat many soft metals for fusion target applications.

Authors: Michael Rocke

Effects of residual gas control in relationship with sputtered aluminum film morphology and electromigration properties in fine-line very large scale integrated structures

American Vacuum Science

May 1988

To understand the effects that the vacuum environment has on the morphology of sputtered aluminum alloys and electromigration, a quantitative study was made down to the parts per million level of the residual gases that are present in a high-rate magnetron sputter system. While previous work has stressed the importance of residual gas control, this work correlates wafer level electromigration results to film morphology and the low-level vacuum contaminants that are present in modern vacuum systems. These low-level residual gases play important parts in determining activation energy, void formation, silicon recrystallization, grain size homogeneity, and hence greatly affect electromigration mean time to failure and sigma. The necessity of controlling the vacuum environment to a much finer degree is demonstrated.

Authors: Michael Rocke

The Carbon Neutral Pipedream

Always On

October 2010

The innovative folks at CoolPlanet BioFuels (AO Stanford 250 Winner & Going Green 100 Winner) are going to help reverse climate change and make a killing doing it.

CoolPlanet BioFuels is a Camarillo, California third generation bio fuels company. Mike Cheiky – president, CEO, and CTO – is a successful serial entrepreneur who's at it again. He decided to start CoolPlanet in December 2008 and the company has been growing quickly since then. So what do they do? They make carbon negative fuel. So the more you drive, the more CO2 they pull out of the atmosphere.

What follows is a two part article about why I'm excited about CoolPlanet BioFuels. The transcript from my interview with Mike Rocke, VP of Business Development for CoolPlanet follows as well.

Authors: Michael Rocke, Andrew Bellay

Volunteer Experience & Causes

Animal Welfare
Economic Empowerment
Education
Environment
Science and Technology

Languages

English **German**

Recommendations

A preview of what LinkedIn members have to say about Michael:

> *Mike has been a real asset to my company as we were seeking venture capital.*
>
> See more

Sign up to see who recommended Michael

View Michael's full profile to...

- See who you know in common
- Get introduced
- Contact **Michael** directly

View Michael's Full Profile

Not the Michael you're looking for? View more