



KIMBERLY KING

PROJECT ENGINEER
TECHNICAL WRITER

EXPERIENCE

**PROJECT ENGINEER/
RENEWABLE
ENERGY ENGINEER
2007-PRESENT**

OUT THINK THE BOX (FREELANCE CONTRACTOR)

Provide sustainable development, engineering and technical advisory services utilizing user innovation, renewable energy system technologies, energy efficiency, and conservation.

**TECHNICAL WRITER
1999-PRESENT**

FREELANCE CONTRACTOR

Research, design, edit, write, revise compelling technical copy and stories for general and global audiences. Streamline documentation work flow. Create and maintain web page views using HTML or other mark-up tools.

**CONTRIBUTOR &
REVIEWER
2017**

PLEA 2017 | Water & Waste Forum

Scientific Committee participant and reviewer of papers on issues of efficiency, and innovative thinking that can solve water and waste problems.

**CONTRIBUTOR
2015-PRESENT**

LAND-ACTION.ORG & KAILAISH ECOVILLAGE

Design, plan, develop urban adaptation strategies for water-resource management, and hyper-intense urban farming. Develop a human excreta management offering for application as an urban sanitation alternative and passive, non-invasive water reclamation schema.

**SR. TECHNICAL WRITER/
RESEARCH ENGINEER
2012**

SSN | UH-HNEI | DOE GRID, PHOTOVOLTAIC & BATTERY SMART GRID INVERTER PROJECT

Wrote first technical copy draft of a nascent smart grid communications protocol standard.

**PROJECT ENGINEER
2009-2012**

SILVERCREST ENERGY AND AUTOMATION

Conduct wind and hydrokinetic research, and analysis for energy conservation, maximizing of resource efficiencies and system integration.

**PROJECT ENGINEER
2006**

RUMSEY ENGINEERS

Define data control points, monitoring equipment and data visualization software selection for energy and resource performance monitoring.

**SR UNIX SYSTEMS &
WEB ADMINISTRATOR
1994-2005**

FREELANCE

Perform the duties of a Sr UNIX Systems Administrator, Programmer, and Web Architect at high-profile computer science companies.

INTERESTS



wind



solar



hydrokinetic



biomass



bicycling

PROFILE

Project engineer, technical writer, web content management, copy editor, and communications specialist in place-based strategies, renewable energy systems technologies (RESTs), sustainable development, and cleaner, greener alternative transportation fuel.

Out thinking the box...

CONTACT



+1 415 832 9084



kimgerly@outthinkthebox.net

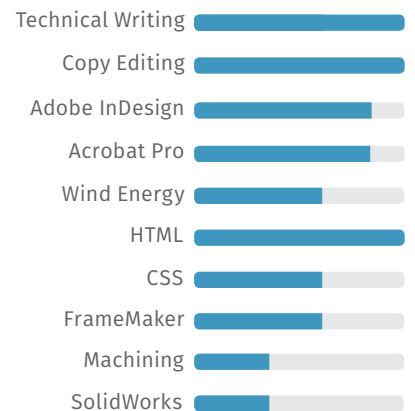


www.outthinkthebox.net



Oakland, CA, USA

SKILLS



FOLLOW ME



/in/kimgerly



@kimgerly

KIMBERLY KING

PROJECT ENGINEER
TECHNICAL WRITER

EDUCATION

**PgDipl/MSc IN
RENEWABLE ENERGY
SYSTEMS TECHNOLOGY**

LOUGHBOROUGH UNIVERSITY (UK)

Post-graduate coursework in mechanical engineering, electrical engineering and sustainable development at CREST.

CONTINUING EDUCATION

LANEY COLLEGE (OAKLAND, CA, USA)

Hands-on training in Machining, Welding, Electrics, OSHA Safety, Blueprint Reading, CNC.

**BSc CANDIDATE IN
RENEWABLE ENERGY
ENGINEERING**

OREGON INSTITUTE OF TECHNOLOGY (OR, USA)

Continuing education coursework in electrical fundamentals, fluid mechanics, heat transfer, photovoltaic materials science.

**BSc IN
MATHEMATICS**

GEORGIA STATE UNIVERSITY (ATLANTA, GA, USA)

Pursued general mathematics and engineering coursework. Cross-enrolled at the Georgia Institute of Technology.

SKILLS

**WIND ENERGY SYSTEMS
2008-2018**

ENGINEER

Perform micro-siting of wind resources, data acquisition, data validation and reporting. Decommission a small wind turbine.

**PHOTOVOLTAIC SYSTEMS
2004-2010**

ENGINEER

Perform residential solar site assessments and analysis, photovoltaic (PV) design and installation.

**SYSTEMS ANALYSIS
2002-2015**

WEB ARCHITECT

Evaluate, recommend, and install technologies, information design methods, analyze system deficiencies and implement solutions.

**ENERGY MONITORING
2006**

PROJECT ENGINEER

Benchmark energy and resource building performance monitoring on the Carnegie Institution Global Ecology Center building.

PROFESSIONAL AFFILIATIONS | CERTIFICATIONS



ises



ei



ucs-usa



osha

STRENGTHS

- Strategizing
- Provoking innovative evaluation, development, and implementation
- Taking bold, decisive, definitive action identifying and revealing solutions others don't realize
- Identify opportunities for developing and implementing everyday brilliance for disaster resilience
- Agile networking, build strategic alliances utilizing conventional/unconventional approaches
- Working in collaborative teams
- Composing concrete, concise, clear technical documentation
- User innovation

CONTACT



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FOLLOW ME



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WRITING SAMPLES

On this page is a sampling of documents I composed over the years. My work includes creating brochures, an info-graphic, user manuals, presentations, reports, and scientific papers. [Mouse over image to view example.]



Services we offer
Flow Assurance
The solution of choke-avoid blockages. Ensure successful, optimal, and economical flow of the hydrocarbon stream from the reservoir without interruption.

Services we offer
Hydrate Remediation
We use a self-contained, self-powered ROV-mounted skid to address hydrate plug formation to ensure flow control assurance.

Services we offer
Sediment Blockages Removal
Provide operational surveys, structural surveys, and provide cost effective recommendations to address sediment blockages.

Direct knowledge of the energy sector allows Mark V Systems LLC to make recommendations that can deliver cost-effective, innovative service offerings, address detection issues in the field, ensuring consistent flow, enabling well managers to keep their costs down, so they can remain on budget.

Mark V Systems LLC strives to generate an immediate payback through reduced costs, enhanced productivity, and lower operational risks from challenges inherent in the oil & gas industry when detecting and analyzing the health of a flow line in real time.

Taking bold, decisive, definitive action identifies and eradicating solutions others aren't ready to offer.

we are Mark V Systems, LLC ENGINEERS

Do you have flow assurance control issues?

Cost effective flow assurance project management.

Mark V Systems LLC
Houston, TX 77058, USA
Phone Mark: 832-453-6749
Phone Charles: 832-453-8435



A Green(er) Story
Ethane as a transportation fuel opportunity
Natural Gas Distribution

C₂H₆ liquefies when compressed
Critical storage required to transport
Critical pressure: 48.72 bar (708 psia)
Critical temperature: 32.17 °C (90.0 °F)
LHG is gaseous unless cooled below 32.17 °C

Driving range not limited
2.5 times the energy content & twice as cheap as CNG

Gas Vehicle Comparison (BTU/tank)

- 17.25 GGE
- 48.85 GGE compressed C₂H₆
- 50.07 LNG
- 100.14 Gasoline

Green(er) than GTL & LNG

- 1/3 the CO₂ per gallon
- 7x the energy density
- 70% less CO₂ burned

Less hassle, Less capital intensive to build

- Not ongoing
- Compression capital - 2 months
- 10-year cycle - 4 years

Natural Gas Wells

- CH₄, ethane
- C₂H₆, ethane
- C₂H₄, ethane
- C₂H₂, acetylene
- C₂H₆, ethane
- C₂H₄, ethane

Separation & Processing



Phreesia
Changing the Patient Experience

user manual

The patient experience starts **here**

1-888-333-6077 | info@phreesia.com | www.phreesia.com



BROCHURE

Mark V Systems LLC is a proactive flow assurance service company for the offshore oil and gas industry. (Adobe InDesign)

INFO-GRAPHIC

Ethane | Low-carbon, low-cost, high-performance transportation fuel opportunity. (Adobe Photoshop, Illustrator)

USER MANUAL

Phreesia | Customized intake management that improves the patient registration experience (Adobe InDesign)

out think the box

REST* in Urban Agriculture — Humanure Service Opportunity

*REST - Renewable Energy Systems Technology

Oakland, CA, USA
23 May 2016

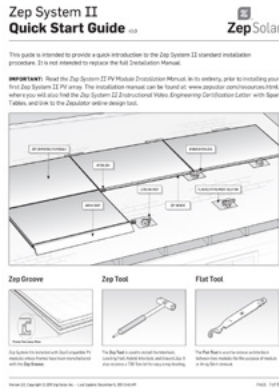


Kimberly King
Renewable Energy Engineer
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Skype: kimgerly

Recommended Citation
Kimberly King,
"REST in Urban Agriculture - Humanure Service Opportunity",
http://www.kimgerly.com/projects/humanure_svcnstr.pdf

PRESENTATION

Renewable Energy Systems Technologies in Urban Agriculture (Adobe InDesign)



Zep System II Quick Start Guide

This guide is intended to provide a quick introduction to the Zep System II standard installation procedure. It is not intended to replace the full Installation Manual.

IMPORTANT: Read the Zep System II PV Module Installation Manual in entirety prior to installing your first Zep System II PV array. The installation manual can be located at: www.zep.com/resources/tech where you will also find the Zep System II Instructional Video, Engineering Certification Letter with Sign Tables, and link to the Installer online design tool.

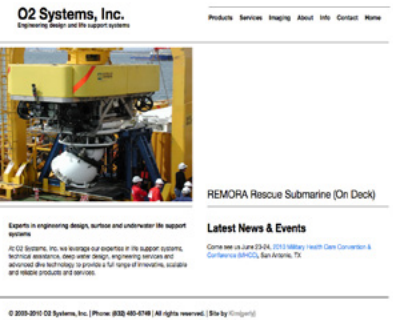
Zep Groove | **Zep Tool** | **Flat Tool**

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QUICK START GUIDE

Zep Solar II Quick Start Guide (Adobe FrameMaker & SolidWorks)



O2 Systems, Inc.
Engineering Design and the support systems

Products Services Imaging About Us Contact Home

REMORA Rescue Submarine (On Deck)

Experts in engineering design, surface and underwater life support systems

Latest News & Events
ACU SYSTEMS, INC. WE STRATEGIZE OUR SUPPORT IN ITS SUPPORT SYSTEMS, TECHNICAL ASSISTANCE, OPERATIONAL DESIGN, ENGINEERING SERVICES AND ADVANCED DESIGN CAPABILITY TO PROVIDE A FULL RANGE OF INNOVATIVE, SCIENTIFIC AND RELATED PRODUCTS AND SERVICES.

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WEB SITE

O2 Systems, Inc. (Adobe Dreamweaver)

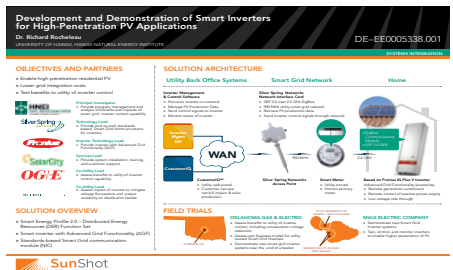


REPORT

Silver Spring Networks | UH-HNEI | DoE Grid, Photovoltaic & Battery Smart Grid Inverter Project, part of the US DoE Energy Efficiency & Renewable Energy SunShot Initiative



UH-HNEI Smart Grid Inverter Project System Architecture



Development and Demonstration of Smart Inverters for High-Penetration PV Applications

Dr. Richard Ruckelshaus
Development and Demonstration of Smart Inverters for High-Penetration PV Applications
DE-EE0005338.001
www.sunshot.gov

OBJECTIVES AND PARTNERS

- Enable high penetration renewable PV
- Lower and integrate costs
- Test benefits to utility of customer benefits

SOLUTION ARCHITECTURE

Smart Grid Office Systems | Smart Grid Network | Home

SOLUTION OVERVIEW

- Smart Energy Profile (SEP) - Distributed Energy
- Smart Inverter with Distributed Grid Functionality (DGFI)
- Standardized Smart Grid Communication
- Standardized Smart Grid Communication

FIELD TRIALS

OLYMPIA GAS & ELECTRIC | MAHA ELECTRIC COMPANY

SunShot
www.sunshot.gov