i3 The Definitive Source for Insight into Innovation

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- **Discover** investors and innovative cleantech companies across the globe
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- **Access data for 1,600 water companies** that have over 600 venture capital rounds, 375 merger & acquisition deals, and 1,160 partnerships
- **Identify future customers and partners** and connect with key executives
- **Explore** 20,000+ companies across 18 sectors including Water & Wastewater, Conventional Fuels, Agriculture, Advanced Materials and more

Maps
- Visual map of clusters of cleantech companies worldwide
- Zoom to see companies within a city or county
- Plan business trips or company discovery in your area

Who uses i3?
- Corporates
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- Service Providers
- Universities
- Economic Development Agencies

Get started today:
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Water Innovation Summit 2013
September 10-11, Berkeley, California
Welcome reception and strolling dinner

We will kick off with a welcome lunch for all summit participants spending time getting to know everyone in attendance and getting an overall sense of priorities and goals for the next 48 hours. We will set the context for innovation in the water ecosystem.

- Define the top innovation opportunities and challenges in the water ecosystem
- Review lessons learned over the past few years
- Identify progress made in the past year in innovation
- Discuss ways to accelerate solutions and strengthen the ecosystem

Extraction to distribution: can data drive a smarter supply network?

To get the conversation started, we will begin with the first phase of water’s journey—extraction to distribution—where system losses and contamination contribute to significant inefficiencies in the water cycle. From leak detection and pressure control to asset management and online water-quality monitoring, the goal of this session is to explore opportunities to create a more efficient, smarter water supply system with a focus on how data can play a role in getting us over the barriers. We will consider ways data can help to reduce loss in transmission, better manage utility assets, and turn non-revenue water into profit. Where are the opportunities to transform the water infrastructure, including decentralizing the water system where appropriate? How can our innovation community help utilities and engineering firms safely implement new technologies and business models?

Break

Use to consumption: predicting demand and managing use

At the consumption phase, there are major innovation opportunities for both customers and providers, and an increasing need for both sides to understand the other better. In this session we plan to explore how innovation can enable utilities to better predict customer demands, allow customers to more efficienty manage their own water, improve the customer-utility relationship, and broaden education about water conservation. We will consider: How can technology lead to better understanding of customer water needs? What are the opportunities to enable water conservation through technology? How can the industry better engage consumers? How can utilities incentivize consumers to better manage their own water use?

Break

Wastewater treatment: recycling, reuse & resource recovery

In this session, we will discuss the last phase in the water cycle: wastewater treatment. While once seen as an issue of treatment and disposal, opportunities for resource recovery as well as recycle and reuse are quickly changing how we understand the “end of life” for water. In this session we will explore: where are the most promising opportunities for wastewater? What are the barriers to overcome with recycle and reuse practices? What role can industry play in turning wastewater into value?

Break

Financing innovation throughout the cycle

The obstacles to innovation for water innovation financing are well-documented. However, following a year of groundbreaking examples in water innovation financing, we will consider once again: What are the emerging models/mechanisms for financing that could play a role (e.g., “water as a service”)? How do we incentivize and make it easier for financially-strapped utilities to invest in innovation? What approaches for contracting, leasing, and co-funding models within water facilities and municipalities can help to reduce the financing barriers?

Nature’s solutions

Spotlight on the role of biomimicry in finding innovative water solutions, with start-up incubator StartupNectar. Biomimicry is the process of emulating nature’s effective designs to drive product and service innovation. Hear how the Egy-osmo team improved irrigation conditions across agricultural Egypt by learning from the strategies of goats and camels to move and filter water.

Welcome reception and strolling dinner

Breakfast

Welcome back and highlights from day one

We will review the highlights of the discussions from our first day and take a look at the key themes driving the conversations today.

Breakout sessions

Oil & gas: The Oil & Gas industry has long since used water throughout the value chain but this demand is now growing at a feverish pace. As leaders in the water technology sector, we seek to earn profit without compromising the planet. Are these objectives at odds with each other? In this breakout session, we’ll discuss innovation at the intersection of water and fuels production, including produced water treatment and recycling, waste water through injection, and how advanced water technologies can be adapted to the Oil & Gas sector to increase energy savings and mitigate environmental concerns.

Ashish Aneja, Advanced Technologies Leader, GE
Craig Beckman, President, MIDX
Tom Rooney, CEO, Energy Recovery
Kirsten Thorne, Manager, Environmental Strategy, Chevron

Break

Emerging markets: understanding needs & accessing innovation

We will bring the group back together to discuss water innovation needs in emerging markets, including accessing innovation ecosystems in these new markets, accelerating innovation to meet global water demands, and applying local solutions to global issues.

Sanjay Bhatnagar, CEO, WaterHealth International
Fred Chang, Managing Director, Everest Cleantech Advisors
Jim Chu, CEO, dokiHaiti
Nikunj Jinsi, Global Head - Clean Technology Investments, International Finance Corporation
Matias Sjogren Raab, CEO, Biofrio

Lunch

Energy-water nexus: beyond the buzz

The last session of the day will focus on uncovering the real innovation challenges and opportunities at the heart of the energy-water nexus. In particular, we will explore opportunities to spur innovation through integrated systems-approaches, resiliency as it relates to the two integrated systems, and the convergence of the smart water and energy grid.

James Furlong, Vice President & General Manager, North America Industrial Refrigeration, Johnson Controls Incorporated
Jeff Green, Founder and Chief Executive Officer, NardHQ
Hank Habicht, Managing Partner, SAIL Capital Partners
Brian Jordan, Vice President & Director, Global Corporate Development, MWH

Closing

Peter Gleick, President & Co-Founder, Pacific Institute