



 #FrenchAmeriCanClimateTalks #TKU15EcoAustin

November 13th, 2015 | Austin, TX

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# Opening Remarks



**Liz Wiley**

**Honorary Consul of France in Austin**  
**French American Business Council of Austin**  
**Attorney, Grable Martin Fulton PLLC**  
Austin, TX

# Introduction



**Sujiro Seam**

**Consul General of France**  
Houston, Texas



**Steve Adler**

**Mayor**  
Austin, Texas



**Christophe Béchu**

**Mayor**  
Angers, France (Sister City)

# Introduction - SM2D

**Michel Salomon**

**Founder & CEO**

Austin, Texas

- Assists emerging companies seeking to commercialize innovative technologies worldwide
- Using concept of “collective & competitive intelligence” (proper legal, fiscal, & marketing packaging)
- 5 major markets: Electronic Transactions, Healthcare, Retail, Events, Self-Sufficiency
- Protect innovative technology in every possible way
- Strategically position clients on the service side of markets
- Create value across the board through licensing
- [www.sm2d.com](http://www.sm2d.com)



- A set of customized solutions for grid-connected & off-grid structures, for local Micro-Communities residential units, including:
  - **Utilities:** renewable energy, water, air & waste management solutions
  - **Structures:** healthier living space for inhabitants when compared to conventional buildings
  - **Data Management Tools:** digitalized, localized, distributed data systems allowing for efficient utility sharing & customer behavior education
- The ultimate goal of Self-Sufficient living is still difficult to comprehend at the residential unit level
- A single home & family is not enough, considering current state of tech
- Micro-communities, representing a village with 50 houses, 300 inhabitants is a more realistic scale to target effective self-sufficiency
- [www.tk-selfsufficient.com](http://www.tk-selfsufficient.com)



Watch the video  
<https://vimeo.com/145594404>

# Clean Energy Panel Speakers



**Philippe Léonard**  
**CEO**  
UrbanWindDesign  
France



**Kathleen Baireuther**  
**Executive Director**  
CleanTX  
Austin, TX



**Arnaud Uzabiaga**  
**Business Development**  
boostHEAT  
France



**Marc-Alain Behar**  
**VP Business Development**  
Solairedirect  
France





- Founded in 2006, CleanTX is the non-profit economic development & professional association for “cleantech” in Central Texas
- Mission is to accelerate the growth of the cleantech industry in Texas through information exchange, thought leadership, & strategic partnerships
- Cleantech in Central Texas is a \$2.5 Billion industry
- Employs 20,000 individuals in the Austin region
- CleanTX supports cleantech innovation & adoption through:
  - Networking, education & information exchange
  - Facilitating strategic partnerships
  - Promoting the cleantech business community
- [www.cleantx.org](http://www.cleantx.org)



- Ground-breaking boiler that cuts energy bills in half
- Based on an innovative thermal compression technology
- Energy efficient & partly renewable heating, hot water & air conditioning
- For homes, residential and commercial buildings
- Reduce greenhouse gas emissions, increase energy networks flexibility
- [www.boostheat.com](http://www.boostheat.com)





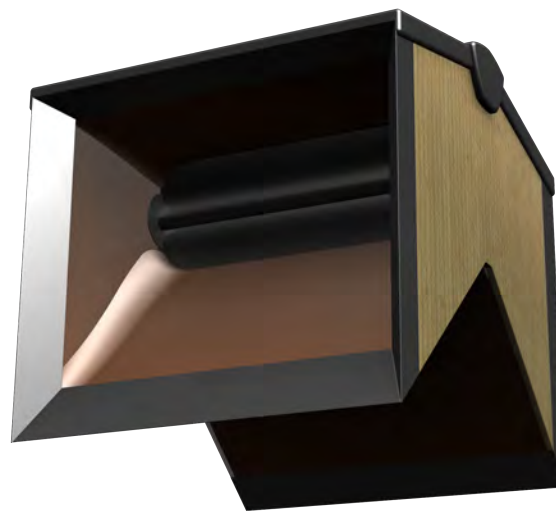
- Founded on the conviction that solar power is the petroleum that will fuel the 21st century: a clean, abundant, locally produced & above all competitive source of energy
- We develop, we operate & we invest in utility scale solar parks
- Operator offering integrated model, industrializing the solar value chain & driving costs down
- [www.solairedirect.com](http://www.solairedirect.com)







- Reconciling wind energy with inhabited urban environment
- A new brick for more efficient domestic energy mix
- AeroCube patented technology
- Smart micro-scale & highly innovative roof-top wind turbine
- Specifically designed for domestic & residential use
- Within urban environment (no noise, hindrances)
- [www.urbanwinddesign.com](http://www.urbanwinddesign.com)



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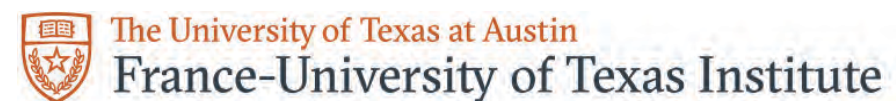
# Clean Energy Q&A

**10min Break**

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# Clean Water Panel Speakers



**Thomas Ortman**  
**CEO**  
Concurrent Design  
Austin, Texas



**Billy Roberts**  
**VP Drinking Water Applications**  
Omni Water Solutions  
Austin, Texas



**Serge Bellulo**  
**CEO**  
Serbel  
France



**Bernard Benayoun**  
**CEO**  
Bamboo for Water  
France

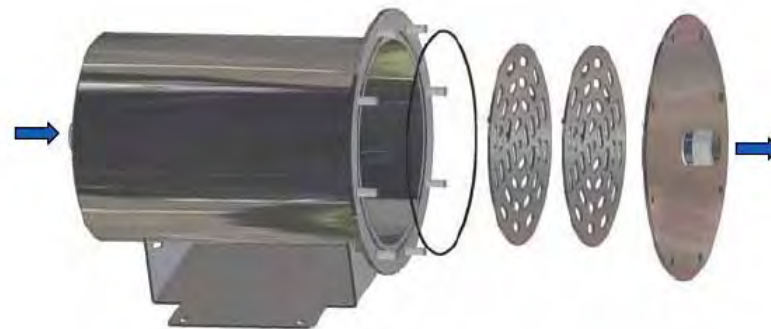


- Specialized in developing & deploying mobile water treatment systems for turning contaminated water into usable water
- Patented Octozone™ automation technology able to treat wide variety of contaminated water sources, including produced, brackish, & sea water
- Output water custom-tailored to customer's requirements at significantly lower energy & maintenance costs
- Integrated software/analytic suite monitoring system performance in real-time, & allows for remote operation of the system from anywhere in the world
- [www.omniwatersolutions.com](http://www.omniwatersolutions.com)





- Water treatment technologies development
- Based on systematic strengths and weaknesses' assessment of existing technologies
- Most existing technologies process water at the point of use & are based on costly “consumables” business models
- Serbel technologies are different:
  - Focus on water treatment at the point of entry (or point of exit)
  - Require little to no energy to operate (considerably reducing costs)
  - Require minimal maintenance
- Creating a global solution to systematically supply optimized water quality
- Serbel products have no direct competitors







- Newly patented sustainable solutions for wastewater treatment
- Using multi-species bamboo plantations on soil/selected substrates
- Tailored to various pollutions & environmental contexts
- Treatment solutions for agricultural, food-industry, cleaning, & domestic wastewater
- System designed for stormwater/sludge management & treatment
- Constitutes a buffer zone completing any other conventional treatment
- Active day-to-day contribution to protect the environment





**Concurrent Design**

- Austin-based engineering firm
- Works in the continuum from idea generation, IP development, conceptual design, engineering design, & prototyping to manufacturing scale-up
- Strong portfolio in sectors such as electronics, semiconductor, nanotechnology, clean technologies and medical products
- "Engineering for Humankind" & hence the interest in clean technologies (solar, wind, storage, solid state lighting, water, etc.) & medical technologies (medical & biomedical products, medical devices, & durable medical equipment)
- For the past twenty years, Concurrent Design grew to serve start-ups through Fortune 50 clients, booking well over 1600 projects locally, regionally, nationally & internationally
- [www.concurrentdesign.com](http://www.concurrentdesign.com)

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**CEO**  
Bamboo for Water  
France

# Clean Water Q&A

# Closing Remarks



**Dr. Peter Beck**

**Associate Professor**

**Environmental Science and Policy**

**Environmental Management and Sustainability**

**St. Edwards University**

**Austin, TX**



# Thank you.

[www.sm2d.com](http://www.sm2d.com)

[austin.tk-universe.com](http://austin.tk-universe.com)

[facts.france-science.org](http://facts.france-science.org)