



## STATEMENT OF QUALIFICATIONS

*for TECHNICAL SUPPORT OF CLIMATE LAW*

**MARCH 2007**

**Point380, LLC** has the experience and capability to provide comprehensive data collection and analysis services and policy analysis to law firms tackling the issues of climate change for public and private sector clients. **Point380** has the unique ability to integrate within the same project assessment of climate regulatory cost risk and risk of weather-related disruption to normal business activities. We have successfully employed our business-oriented analysis to quantify risk and opportunity for Clean Development Mechanism (CDM) projects, SEC filings and in support of other corporate disclosure decisions related to climate change and energy. **Point380** staff have direct experience writing environmental law on Capitol Hill.

For in-depth information on past projects, methodologies and references please contact:

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– Or –

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## RELEVANT PROJECT EXPERIENCE

### DISASTER RISK AND POLICY ANALYSIS

**Hazards Resilience and Urban Planning:** World Bank Hazard Management Unit

Description: **Point380** Principal Consultant, Dr. Kevin Vranes, was involved in a multi-layered project to assess the vulnerabilities of the Caracas and Estado Vargas regions of Venezuela under risk from extreme weather-induced landslides. The project included on-site assessment of vulnerabilities after detailed regional and local tours and extensive meetings

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with local stakeholders. He co-authored reports on lessons learned from the project, published in full by Columbia University with detailed case studies for a World Bank assessment of global multi-hazard hotspots.

**Member of the Center for Science and Technology Policy Research (CSTPR):**  
University of Colorado

Description: Dr. Vranes is affiliated with the CSTPR, part of the University of Colorado's Cooperative Institute for Research in the Environmental Sciences. He has extensively researched and published scholarly, peer-reviewed papers on federal environmental policy in natural hazards (earthquakes and weather-related hazards including climate change effects), water resources management, and abandoned mines.

### **INDUSTRIAL CARBON EMISSIONS AND ENERGY RISK ANALYSIS**

**Energy and Climate Risk Assessment of 22 Industrial Facilities in 19 Countries:**  
Multinational Beverage Company

Description: **Point380** staffers performed a project to assess climate, energy and interruption cost risk for 22 industrial facilities owned and operated by a large multinational in 19 countries. Forecasted energy commodity costs and volatility were analyzed and compared to plant specific prices and energy consumption. Monte Carlo models of each facility were built to predict ranges of cost and confidence intervals. Plant systems were analyzed for opportunities to reduce carbon emissions through improved efficiency and renewable energy and to reduce risk of energy supply interruption.

**Carbon Emission Baseline Assessment & Verification:** Multinational Beverage Company

**Plant-wide Climate and Energy Assessment and Improvement:** Performed at dozens of industrial facilities on four continents for national and international companies.

**Assessment of Sustainability Benefits of a Large Scale Anaerobic Digester Plant:**  
Technology Development Company

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### PRINCIPALS' QUALIFICATIONS

#### Dr. Kevin Vranes, Principal Consultant

Kevin holds a Ph.D. in Ocean and Climate Physics from Columbia University. While in residence at Columbia he was a Fellow of the Public Policy Consortium at Columbia's School of International and Public Affairs. He has over a decade of experience in private industry, government and academia, and has expertise in both the technical/scientific and policy worlds. He served in a senior staff (Legislative Assistant) position for U.S. Senator Ron Wyden where he was a science advisor, staffing the Senator on all three Senate authorizing committees with jurisdiction over scientific issues. Dr. Vranes now holds a Visiting Fellow appointment at the University of Colorado's Center for Science and Technology Policy Research where he focuses on climate change, natural hazards, water management. He has been quoted extensively on climate change in the *New York Times*, *Houston Chronicle*, *Toronto Globe & Mail* and other outlets, and has appeared as a guest expert on CNN's weekly show *In The Money*.

#### Jason Denner, Principal Consultant

Jason has 14 years of professional experience across many aspects of sustainable industrial and mechanical engineering, including: industrial utility system analysis and improvement; energy efficiency project development; distributed and renewable energy supply; production operations; and, distribution logistics. He has used this experience to lead ambitious energy efficiency projects for international companies in food and beverage, manufacturing, pulp and paper, mining, oil and gas, and metallurgical industries. Jason was formerly the Director of Engineering for DOMANI Sustainability Consulting, LLC and a Senior Project Engineer in the Rocky Mountain Institute's research and consulting group. Jason is certified as a Process Heating Qualified Specialist by the U.S. Department of Energy.