

# Wind and Solar Integration of the Avāence Ultra High Pressure Hydrogen Generators

## Session B8

WEDNESDAY MAY 20, 2009

10:00AM – 11:00AM

Presented By:  
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### Presentation Abstract

The Avāence *Hydrofiller* technology for generating hydrogen and oxygen through electrolysis of water is pre-commercial. We believe that the Company has developed the first successful solution for hydrogen generation at the pressures needed in transportation fueling (6,500psi) as well as for various industrial gas and premium power storage applications. The patent-pending *Hydrofiller* platform simplifies the process by eliminating compressors and purifiers and materially reduces the capital costs associated with these applications. Since the *Hydrofiller* generates hydrogen and oxygen from water and electricity, the solution fulfills current requirements for clean energy by using solar, wind, geothermal and hydro power as key inputs. The Company offers units in the 1-10 kg/day hydrogen range and has a DEO funded development program currently in place to scale up to 300 kg/day. Several *Hydrofiller* demonstration units are in construction and the field, and the company is revenue generative having successfully installed its units with early adopters.

In the presentation we will (i) describe our technology and its advantages; (ii) show how we integrate with wind and solar power; and (iii) outline several different application scenarios including a summary of the attendant cost/benefit provided by the *Hydrofiller*.

### Speaker Biography

**Stephen F. Nagy, CEO**, brings over 30 years of technology business building, senior executive leadership and funding expertise to Avāence. Active as President and CEO of venture developers Greenwich Management Group, Inc. since 2000, Steve spent the 1980s and 1990s as a senior private equity investor and executive director (Chairman, CEO, President) with portfolio entities of Foster Management Company. During the 1970s at Booz, Allen and Hamilton, Inc., Steve was a founding Vice President of the Technology Management Services Group with a focus in the energy/environment sectors. Steve has led IPOs and financings in the \$25-100M range and operations up to \$500M in revenues. He holds an M.S. in Industrial and Management Engineering from Columbia University; an M.S. in Environmental Health Sciences with Chemical Engineering emphasis from New York University; and a B.S. in Chemistry from Union College.