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The Hydrogen Fuel Alternative

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Second Shell Hydrogen Fueling Station to open at JFK Airport Queens, NY

Shell Hydrogen has teamed with General Motors to provide hydrogen fueling stations and Chevrolet Equinox cars equipped with hydrogen fuel cells at strategic sites in the northeast. The initial goal was to create a network of hydrogen stations from Washington, DC to Boston, however the current trend is to populate the stations within a region rather than along a corridor.

Hydrogen gas is converted into electricity by the fuel cell, which in turn powers an electric motor. Fuel cell vehicles store enough hydrogen to travel about 300 miles. This is considerably farther than the 40 miles attained with a battery-powered electric motor used in a hybrid car. The key feature of a fuel cell is that there are no toxic emissions, only water vapor. Conversion from gasoline to hydrogen can reduce CO2 emissions in the US by 70%.

The first station opened last year in White Plains, NY. A third station is under construction in the Bronx, NY. **Bertin Engineering is pleased to have worked with Shell Hydrogen to design all three stations.**

Calisto Bertin is keynote speaker at first NJGCA Association trade show

Secaucus, NJ

The New Jersey Gasoline C-Store Automotive Association, formerly the New Jersey Gasoline Retailers Association, held its first annual trade show at the Secaucus Convention center in March. Sal Risvalvato, the Executive Director of NJGCAA is leading the association into the future, and asked **Calisto Bertin**, PE of Bertin Engineering to give a presentation on the future of hydrogen fuel and fuel cell technology.

Mr. Bertin also trains construction code officials on the NJDEP underground storage tank regulations for the NJ DCA, and is a NJDEP UST Certification instructor for the Petroleum Equipment Contractors Association.



Hydrogen fueling station at JFK Airport, designed by Bertin Engineering.