



HISTORIC



FUTURISTIC

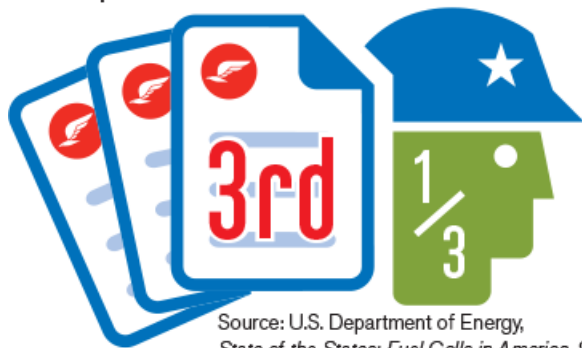
A proven track record *and* a promising future outlook

Since the 1960s, when a Connecticut manufacturer led the development of fuel cells for NASA's space missions, Connecticut-based expertise has powered the nation's green energy innovations. Today, it continues in that tradition. Beyond fuel cells, Connecticut is creating jobs for the design, construction and installation of energy-efficient materials like solar technology. Why Connecticut? Because this state is home to a dynamic blend of vision and expertise, of scientific explorers and advanced manufacturers, of those who say "why not" and those who determine "how to."

Creators of innovation and jobs

Not only are Connecticut's fuel cell leaders continuing to patent innovations, they remain at the forefront of putting those patents into practice. In fact, Connecticut ranks third in the country in total fuel cell patents—with at least 600 fuel cell and hydrogen supply chain companies based in Connecticut. And these companies generate over \$211 million in gross state product.

Connecticut ranks third in total fuel cell patents in the U.S.



Source: U.S. Department of Energy,
State of the States: Fuel Cells in America, 2013.

#6 In U.S. for percentage
of science and engineering
doctorates in the workforce

33% higher concentration
of high-tech workers than
national average



National Science Foundation 2014; Calculations by CERC

High talent...at all levels

Green energy businesses are particularly dependent on a highly educated, highly skilled workforce: just what Connecticut has in abundance. In fact, Connecticut has the fifth-highest concentration of science and engineering doctorates in the nation. Just as important, it also has a concentration of high-tech workers who are capable of filling a wide array of jobs in this highly specialized sector, including system designers, manufacturers and engineers.

The nation's first "Green Bank"

Connecticut is also leading the nation in setting public policy—and leveraging private investments—in support of clean energy. Its Clean Energy Finance and Investment Authority (CEFIA) has been dubbed the nation's first "Green Bank."

Committed to increasing deployment of clean energy, CEFIA offers incentives and low-cost financing to encourage homeowners, companies, municipalities and other institutions to support renewable energy and energy efficiency.



Connecticut Green Bank, 2016

Powerful public/private partnerships

It will take innovative entrepreneurs, investors and policy makers working together to truly realize the potential of clean energy sources. Fortunately, that's already the state of the state in Connecticut. Its Comprehensive Energy Strategy is mobilizing public and private partnerships and enhancing the sustainability of clean energy initiatives.



The Connecticut Department of Energy and Environmental Protection has also forged an innovative partnership with the University of Connecticut and Fraunhofer USA, the American subsidiary of Europe's largest applied R&D organization. The Fraunhofer Center for Energy Innovation, just one of seven such research centers in the country, will focus on developing new technologies to advance the field.

The nation's largest fuel cell plant

Connecticut's leaders aren't just strategizing how to scale up clean energy production. They're building the plants. In fact, the largest fuel cell power project in North America is now operational in Bridgeport, Connecticut.*

And that's just one example of how the state's Comprehensive Energy Strategy is accelerating the reliable generation and distribution of fuel cell power. One of the state's major transportation networks—CT Transit—has operated fuel cell buses since 2007. And New Haven, one of its largest cities and home to Yale University, is now home to a number of fuel cell installations, including a fuel cell-powered city hall.

**Source: Science Direct, 2014.*