



**Green Energy in CT** **2015/2016**

**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.\* It also employs more people in the industry than most other states, accounting for:

- more than 50% of all fuel cell jobs in the region
- nearly one-third of all fuel cell jobs in the U.S.

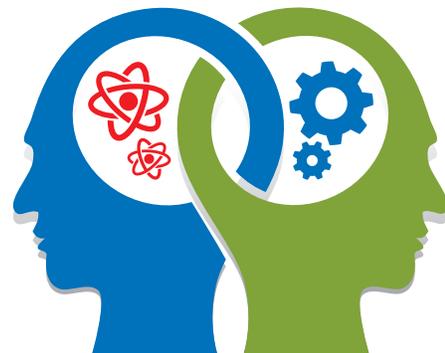
**Connecticut ranks third in total fuel cell patents in the U.S.\***



**Nearly 1/3 of the nation's fuel cell jobs are in Connecticut.\*\***

**#5** in U.S. in science and engineering doctorates in the workforce per capita

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



Source: U.S. Census Bureau, 2013; calculations by Connecticut Economic Resource Center.

**High-level 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.

\*Source: U.S. Department of Energy, *State of the States: Fuel Cells in America*, 2015.

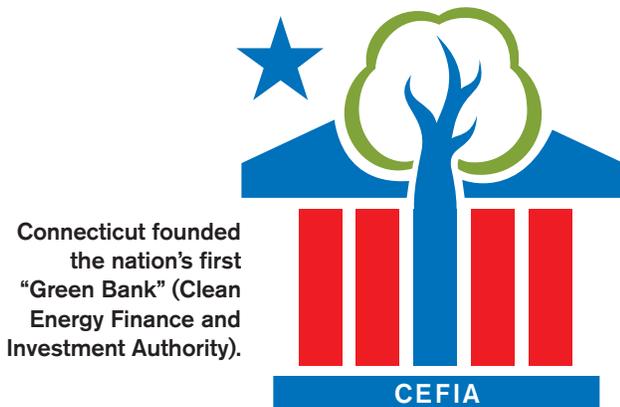
\*\*Source: 2015 Connecticut Economic Review.



## 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.

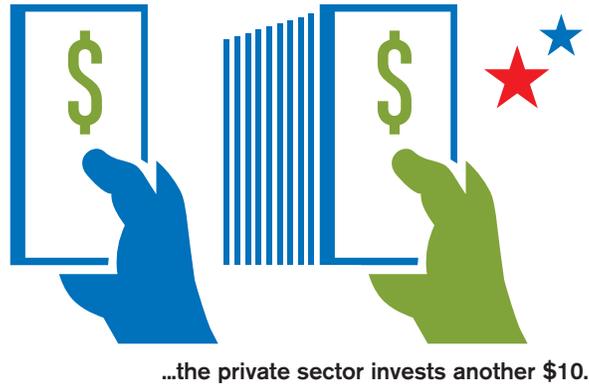


## Powerful public/private partnerships

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.

See for yourself why Connecticut continues to power advancements in the clean energy sector, particularly in the area of fuel cells. For more information on what advantages the state can offer your energy business, simply visit [CTforBusiness.com](http://CTforBusiness.com) or call (800) 392-2122.

For every \$1 invested by the state government in clean energy...



Source: The Green Bank, 2013 Annual Report.

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.