



The South Carolina Hydrogen and Fuel Cell Alliance (SCHFCA) is the premier driving force behind hydrogen and fuel cell innovations in South Carolina.

Since our founding in 2006, we have been dedicated to growing the hydrogen and fuel cell industry in South Carolina through our members and partners. Our state's multi-level governmental support, manufacturing

expertise and existing research and development are uniquely positioned to bring hydrogen and fuel cell technologies out of the lab and into the lives of our citizens.

From the introduction of off-road applications like forklifts and Segways to portable technologies like television cameras, the SCHFCA is a leading player in the innovations that are already changing the world.

SCHFCA Vision for Advancing South Carolina's Hydrogen Economy

The SCHFCA currently views itself in Phase 1 of a comprehensive strategy to implement and commercialize hydrogen and fuel cell technologies in the state. Phase 1, the 2008-2010 Market Preparation phase, is characterized by pre-commercial activities to lay the groundwork for implementation to follow. It will require non-competitive market preparation activities, continued research to solve fundamental challenges, improved technology transfer and the formation of a transitional fueling infrastructure that will limit stranded capital investment. Industry will need strong government and nonprofit partners to pave the way for an easier market transition.

The strength and success of the 2008-2010 Market Preparation phase will rely on four key pillars:

Education and Outreach—Targeted at making connections with stakeholders, raising awareness about the benefits of hydrogen and creating consumer demand.

Policy Development and Implementation—Targeted at readying the state's energy and vehicle market to be agile when incorporating hydrogen and fuel cell technologies.

Transitional Infrastructure Development—Targeted at placing a "pre-hydrogen" fueling infrastructure throughout the state.

Research and Technology Transfer—Targeted at addressing fundamental challenges facing the commercialization of hydrogen and fuel cells.

These four pillars will provide a transition strategy for South Carolina that will bridge the gap between the oil age and the age of hydrogen.

MISSION

The SCHFCA is a public-private collaboration for cooperative and coordinated use of resources in the state used to advance the commercialization of hydrogen and fuel cell technologies.

VISION

The SCHFCA is a non-profit partnership of government, business, academia and citizens working together to grow the economies of local communities, the state and the nation, to enable energy security and to limit our environmental footprint with the use of hydrogen and fuel cell technologies that are cost-effective, convenient and produced with local resources.