



Hydrogen News Hydrogen News

ARL gets deal with Anspanner following SHEA Webinar

On July 24, the Southeast Hydrogen Energy Alliance (SHEA) hosted a webinar titled “Hydrogen-on-Demand Powers the Department of Defense.” During the event, U.S. Army Combat Capabilities Development Command Army Research Laboratory (DEVCOM ARL) discussed its patented (US Patent No. 11,198,923)

nanogalvanic aluminum alloy powder, which produces hydrogen instantly when combined with water. DEVCOM ARL's presentation generated interest among many of the webinar attendees, including representatives from Anspanner, LLC. who first learned about the technology during the session. Following the webinar, DEVCOM ARL executed a Commercial Evaluation License with Anspanner. This agreement enables Anspanner to evaluate the nanogalvanic aluminum alloy powder and its market applications prior to moving to a full commercial license to develop the technology for commercial hydrogen markets. Dr. Anit Giri, an Army research materials engineer at DEVCOM ARL and a co-inventor of the nanogalvanic aluminum alloy powder commented, "We are excited to work together with Anspanner and other interested members in industry to commercialize our material."

Air Liquide invests \$50m to expand Texas hydrogen infrastructure

Air Liquide will invest \$50 million to expand hydrogen infrastructure in Texas, upgrading pipelines and distribution systems to serve new refinery customers. The project strengthens its 700 km Gulf Coast network and reinforces its long-term industrial hydrogen strategy.

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GM ends next-generation hydrogen fuel cell development program

GM has ended development of next-generation hydrogen fuel cells under its HYDROTEC brand, shifting focus to batteries, charging, and EV technology. The company will continue limited hydrogen work through its joint venture with Honda for data centers and power generation.

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Trump's cuts to billion-dollar hydrogen hubs rattle industry

The Department of Energy has revoked \$2.2 billion in funding for two regional hydrogen hubs and may cancel support for all seven, sparking concern across the clean energy sector. Industry experts warn the cuts could weaken U.S. competitiveness as other nations accelerate major hydrogen investments.



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SW Virginia H2 Hub Planning and Development Grant

The [Virginia Department of Energy](#) is launching a program to encourage hydrogen production in the Southwest Virginia (SWVA) region and its use across the Commonwealth. The program invites proposals from entities operating in the Southwest region of the Commonwealth. Submit complete applications by November 15, 2025. Please click [here](#) for more information.

SHEA Webinars

LAST CALL:

October 14, 2025: Autonomous Hydrogen: By Sea and By Air

Learn of autonomous aeronautic and marine H2 technologies being developed for military and commercial use.

Register

October 23, 2025: Geologic Hydrogen: A Natural Resource

Learn of the technology that extracts hydrogen from geology and the labs and companies pioneering this H2 production method.

Register

November 20, 2025: Hydrogen Fuels Essential Infrastructure Back-up Power

Learn how hydrogen is providing back-up power for data centers, first responders and the military.

Register

Upcoming Events

RE+ CHARGE Hydrogen

Date: November 19-20, 2025

Location: Seattle, WA

Hydrogen Innovation and Technology Conference

Email learnmore@seh2.energy for a SHEA discount to the event!

Date: October 14-16, 2025

Location: Houston, TX

Register Now

Experience POWER

Date: October 29-31, 2025

Location: Denver, CO

Register Now

Register Now

Powering the Next Era of American Energy

Date: December 9-10, 2025

Location: Houston, TX

Register Now

Showcased Funding Opportunities



Want to see SHEA's list of showcased funding opportunities?

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[SHEA Funding Opportunities](#)

Want to join the Southeast Hydrogen Energy Alliance?

SHEA offers a unique value proposition as the catalyst for a sustainable future in the Southeast and beyond. By joining SHEA, you gain exclusive tools to help increase your company's commerce, educational materials to help back your every decision, and access to a thriving community dedicated to transforming the region into an epicenter of clean energy. Your SHEA membership helps secure a brighter, greener tomorrow.

[Join Now](#)

The SHEA logo is displayed in white on a dark green background. The letters 'S', 'H', and 'A' are in a bold, sans-serif font. The letter 'E' is replaced by a stylized green leaf icon.

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