



Welcome to the November 2023 issue of the H2scan Digest

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A Note from H2scan CEO Dave Meyers

On October 18, 2023, the White House and the US Department of Energy announced \$3.46 billion for 58 Grid Resilience and Innovation Partnerships (GRIP) projects across 44 states to strengthen electric grid resilience and reliability, as part of President Biden's Investing in America agenda.

H2scan is proud to support a GRIP project that incorporates real time hydrogen measurement, to help lower the frequency and duration of power outages. The solution will also help protect the life of transformer assets by providing timely conditioned-based maintenance information. This award demonstrates how our sensing solutions can provide utilities OPEX and CAPEX savings.

At H2scan, our history of pioneering advanced sensing solutions has consistently set industry benchmarks. The GRIP project is the latest example of how we're leading the charge in grid resilience and reliability, leveraging real-time hydrogen measurement to safeguard infrastructure.

Please contact us at hello@h2scan.com to see how our proven technology can be integrated into your grid systems, reducing outages and extending asset life while delivering operational and capital savings.

H2scan's HY-ALERTA 5021 and HyView Products: Keeping Battery Rooms Safe

Battery room operations are made safer when using H2scan's [HY-ALERTA 5021](#) solid-state area hydrogen monitor in conjunction with its [HyView](#) explosion-proof process meter display. This combination of products protects battery rooms from explosive hydrogen build up and is maintenance free for more than 10 years.

The HY-ALERTA 5021 is capable of detecting low levels of hydrogen even in the presence of other gases that can cause false alarms with other sensor technologies. It is ideal for battery backup storage rooms used in data centers, utilities, telecommunications, and other end users.

The HY-ALERTA 5021 pairs with H2scan's HyView product, a rugged display that comes in both an explosion-proof model and a National Electrical Manufacturers Association (NEMA)-certified model. HyView can consolidate data from multiple hydrogen sensors to safely display hydrogen levels outside of the battery area.

This past month, H2scan exhibited at the NiBS Battery Conference in the UK and showcased the HY-ALERTA and HyView to conference attendees. H2scan's Sales Director of Safety Products [Jeff Donato](#) said he "had a wonderful show and enjoyed connecting with industry experts on how H2scan could help ensure the safety of their operations." You can see him chatting with a conference participant below.

Learn more about the HY-ALERTA 5021 and HyView and how they can make battery rooms safer [here](#).



H2scan Participates in Fresno State Internship Program

H2scan is proud to be a participant in Fresno State's internship program to support underserved students at the university. The National Science Foundation has provided nearly \$2.5 million to support talented low-income Fresno State students through scholarships and

WBLEs (Work-Based Learning Experiences).

We are excited to have the opportunity to engage with the university and students to support their education and our fast-growing company.

The logo for Fresno State University, featuring the word "FRESNO" in white and "STATE" in red, with a red paw print icon integrated into the letter "O". A registered trademark symbol (®) is located at the end of "STATE".

Discovery. Diversity. Distinction.

John DiLeo Appointed as H2scan's Vice President of Engineering

Passionate about creating great products with a focus on customer needs, John DiLeo is H2scan's new Vice President of Engineering. He brings over 20 years of experience in engineering and leadership roles. Prior to H2scan, John was Director of Product Engineering and Manufacturing at the Kromek Group and, before that, Director of Engineering at MSA - The Safety Company / General Monitors. John earned his MSIE, Engineering at the University of Pittsburg and his MBA, Business Administration at Duquesne University. We are excited to have John join the H2scan team!

Hydrogen Tomorrow News

The Midwestern clean hydrogen economy: Potential for community- and climate-beneficial industry decarbonization: Low-carbon hydrogen is a critical component of the climate mitigation solution set, especially as an input to other products for these hard-to-abate industries and as a zero-carbon fuel replacement for current liquid fuels.

Northwestern University is part of national effort to develop hydrogen fuel economy: Plan is to produce hydrogen by leveraging diverse and abundant energy sources, including renewable energy, natural gas and low-cost nuclear energy.

The GHA report shows hydrogen can reduce CO2 & boost economy: A UK organization called the Green Hydrogen Alliance has released a report showing how the use of green hydrogen can result in £11bn in economic benefits & 1.7 million tons in CO2 reduction. They say the benefits could be achieved by building just three 300MW production facilities in high demand areas.

Upcoming Tradeshows and Conferences

16th China Online Analytical Instrument Application and Development Expo

The 16th China Online Analytical Instrument Application and Development Expo will carry out academic exchanges and display activities around the theme of "efficiency, high quality, low consumption, safety and environmental protection." Participants will include technical personnel and managers from the petroleum, chemical, environmental protection, mining, medicine, metallurgy, electric power, steel, food, and other industries. The event takes place in Qingdao, China on November 29 – December 1, 2023. Learn more [here](#).

Planning to attend? Email us for a meeting: marketing@h2scan.com!



第十六届中国在线分析仪器应用及发展国际论坛暨展览会
16th International Forum for China On-line Analytical Instrument Application and Development Expo



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