



## Welcome to the June 2023 issue of the H2scan Digest

### In this issue we present:

- Energy Central Power Perspectives Podcast with H2scan's Michael Nofal and Gid Herman
- H2scan's Leon White Explains Trends in Online Transformer DGA Monitoring
- US Power Safety Trade Groups Flag Critical Electrical Steel Crunch
- Hydrogen Tomorrow News
- Upcoming Tradeshow and Conferences

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## New Podcast: 'Looking to the Future Safety of Hydrogen Energy'

The march towards a more robust hydrogen energy economy seems inevitable, but what's left to be determined is the timeframe and the manner in which that journey plays out. As a decarbonization option, an alternative fuel opportunity, and more, hydrogen will play a key role in our energy systems of tomorrow. But as those developments play out in the future, critical to today is continuing to advance safety measures to ensure that process moves along smoothly.

This episode of the Energy Central Power Perspectives Podcast is the third and final installment in a series with H2scan executives diving into the world of hydrogen monitoring. The episode features Michael Nofal, H2scan's Vice President of Global Sales and Business

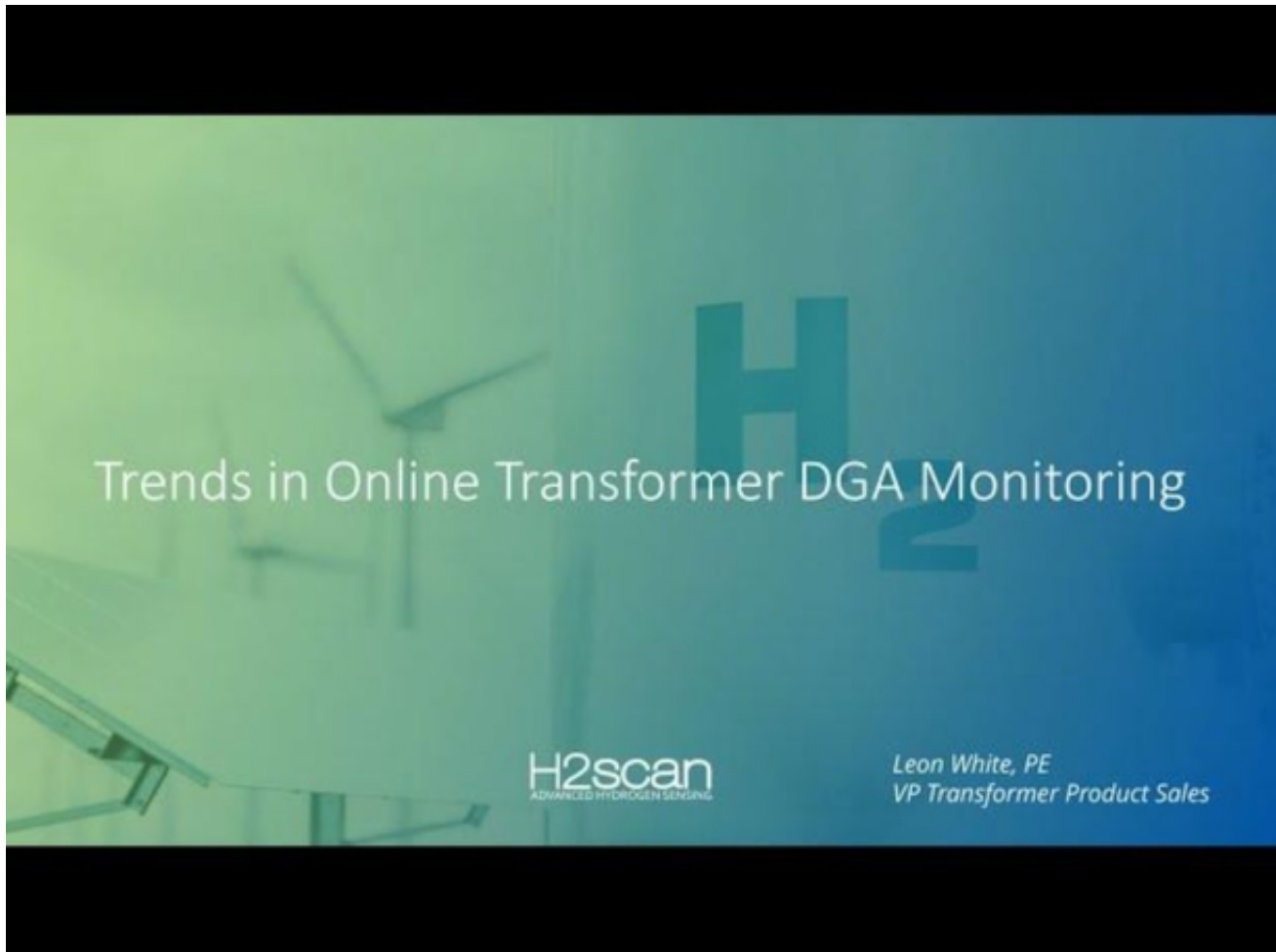
Development, and Gid Herman, Director of Sales and Business Development, who work to bring the benefits of hydrogen sensing to companies with industrial process and safety applications. Listen in as Michael and Gid explain what industrial leaders should be doing today and in the years to come with regard to hydrogen monitoring technologies and safety measures. Listen to the podcast [here](#).



The graphic features a large dark blue stylized letter 'D' on the left, containing a circular photo of two men, Michael Nofal and Gid Herman. To the right of the 'D', the text reads: 'POWER PERSPECTIVES™ PODCAST', 'LOOKING TO THE FUTURE SAFETY OF HYDROGEN ENERGY', 'MICHAEL NOFAL VICE PRESIDENT OF GLOBAL SALES AND BUSINESS DEVELOPMENT AT H2SCAN', 'GID HERMAN DIRECTOR OF SALES AND BUSINESS DEVELOPMENT AT H2SCAN', the 'energycentral.' logo, and a dark blue button with the text 'LISTEN NOW'.

## Trends in Online Transformer Monitoring with H2scan's Leon White

H2scan's Leon White explained trends in online transformer dissolved gas analysis (DGA) monitoring at the "Power Transformer Technologies" Live Online Electricity Today T&D Magazine Forum on May 23, 2023. Watch the video [here](#).



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## US Power Sector Trade Groups Flag Critical Electrical Steel Crunch

Nine trade groups—including four representing the power sector—have urged the Biden administration to prioritize actions that support the domestic production of electrical steel, warning that shortages are contributing to “significant and persistent” supply chain challenges. Read the full article [here](#).

The lack of steel contributes to the short supply of new transformers. What are utilities doing to extend the life of their existing transformers? The [H2scan GRIDSCAN 5000](#) indicates when transformers start gassing, which allows for investigation and possible repair, minimizing the need to replace transformers. From large power transformers to pad-mount

transformers feeding EV Chargers, the GRIDSCAN 5000 is a great solution. It is simple, cost effective and is designed for a 10-15 year life with no maintenance. Learn more about the GRIDSCAN 5000 [here](#).

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## Hydrogen Tomorrow News

A massive power transformer shortage is wreaking havoc in the US: Across the US, new houses sit unfinished, utility companies worry about how quickly they can restore power after damage caused by natural disasters, and efforts to modernize aging electrical grids face delays. All this is happening because of a national shortage of electrical distribution transformers.

MarketsandMarkets unveils the path to a sustainable hydrogen economy in its recent study: The study reveals surprising findings about the opportunities and challenges associated with hydrogen commercialization, shedding light on the shades of gray, blue, and green hydrogen that will shape the future.

Biden administration releases first-ever national Clean Hydrogen Strategy and Roadmap to build a clean energy future, accelerate American manufacturing boom: This strategy and roadmap is a comprehensive framework for accelerating the production, processing, delivery, storage, and use of clean hydrogen—a versatile and flexible energy carrier that can be produced with low or zero carbon emissions.

New efforts in reducing green hydrogen production costs: The discovery of a technique that substantially reduces the amount of rare metals utilized in polymer electrolyte membrane water electrolysis devices, like iridium and platinum, is paving the way for lower production costs.

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## Upcoming Tradeshows and Conferences

## Sensors Converge

Discover the future at the only event where the building blocks of IoT converge - sensors, processing, and connectivity. Join the sensors and electronics community this June 20-22 in Santa Clara, California at the only event covering the biggest design engineering trends. From enabling innovation, to process design & control development, to transforming markets, Sensors Converge covers technologies and applications that can help you design smarter systems/IoT devices in a sustainable economy. Learn more [here](#).

Planning to attend? Email us for a meeting at booth 608: [marketing@h2scan.com](mailto:marketing@h2scan.com)!



## Hydrogen Technology Conference & Expo

Hydrogen Technology Conference & Expo is North America's must-attend exhibition and conference that is dedicated to discussing advanced technologies for the hydrogen and fuel cell industry. The event brings together the entire hydrogen value chain to focus on developing solutions and innovations for low-carbon hydrogen production, efficient storage and distribution, and more. The event takes place in Houston, Texas on June 28-29, 2023. Learn more [here](#).

Planning to attend? Email us for a meeting: [marketing@h2scan.com](mailto:marketing@h2scan.com)!



## Hydrogen Technology Conference & Expo Europe

Hydrogen Technology Expo Europe is the must-attend conference and exhibition that is

dedicated to discussing advanced technologies for the hydrogen and fuel cell industry. The event will bring together the entire hydrogen value chain to focus on developing solutions and innovations for low-carbon hydrogen production, efficient storage and distribution as well as applications in a variety of stationary and mobile applications. The event takes place in Bremen, Germany on September 27-28, 2023. Learn more [here](#).

Planning to attend? Email us for a meeting: [marketing@h2scan.com](mailto:marketing@h2scan.com)!



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