

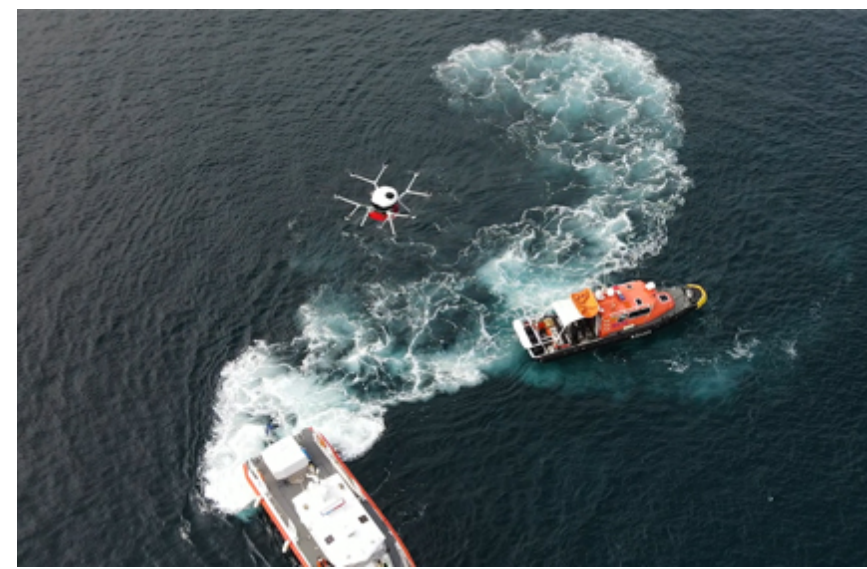


SPOTLIGHT ON RD&D

The [Research Development & Demonstration \(RD&D\)](#) team at SoCalGas is excited to share updates with you on our latest projects, collaborations, and events. Read on to learn about how our involvement in projects such as the hydrogen-fuel-cell drone demonstration support SoCalGas' mission to build the cleanest, safest, and most innovative company in America.



[Watch our video](#) to see how we're helping redefine the energy industry along with a few of our collaborators.



Project Spotlight

Zero-emission drones lay the groundwork for a companywide transition to hydrogen-fuel-cell powered aircraft. To improve the efficiency of our pipeline inspections, we have begun exploring the use of zero-emission, hydrogen-fuel-cell-powered drones with Korean firm Doosan Mobility Innovation (DMI) and GTI Energy, an R&D organization that develops and demonstrates new energy technologies.

[Learn more](#) about this project as well as other exciting projects from SoCalGas RD&D.

Webinar Spotlight

We recently hosted a webinar with Bridger Photonics, Inc. (Bridger) about Gas Mapping LiDAR™ (GML), an airborne methane emission monitoring technology developed by Bridger to detect, localize, and quantify methane emission from all segments of the natural gas value chain – production, transmission, and distribution. In this webinar, we provided an overview of the GML technology, presented results from performance validation testing, and described how GML is deployed for emissions monitoring surveys within our service area.

[View the recording](#)

RD&D In the News

ACT Expo

SoCalGas earned bragging rights at the 2022 Advanced Clean Transportation (ACT) Expo, North America's largest advanced transportation and clean fleet event. We won the "Leading Private Fleet" award, recognizing leadership that goes beyond what is required to achieve sustainability in a company's fleet operations. Currently, a third of our fleet already operates on clean fuels.

[Read more](#)

PBS News Hour report featuring Dr. Jack Brouwer

PBS News Hour science correspondent, Miles O'Brien, explores the possibilities of hydrogen-powered engines and cleaner energy solutions with long-time RD&D collaborator, Dr. Jack Brouwer, Director of the National Fuel Cell Research Center at the University of California, Irvine.

[Watch now](#)

Recent visit of CORO to HyET Demo

We recently hosted Coro Southern California, an experience-based program that develops the next generation of civic leaders, at our Pico Rivera facility. During this visit they were able to get an up-close look at our RD&D hydrogen demonstration project, a collaboration with HyET Hydrogen B.V. We are excited to share our mission and goals for a cleaner future with Coro Southern California and the next generation of civic leaders.

Learn more about this exciting [RD&D Spotlight project](#).

Project Awards

CEC GFO-21-503: Examining the Effects of Hydrogen in End-Use Appliances for Large Commercial Buildings and Industrial Applications

The California Energy Commission recently awarded GTI Energy and UCI \$1,770,000 to study the cost-performance-safety implications and emissions benefits of adopting hydrogen to decarbonize large commercial buildings and industrial applications. With the support of SoCalGas RD&D, the team will establish a methodology to select equipment categories based on both the magnitude of the GHG emissions associated with the category and the potential for abatement via hydrogen use. SoCalGas RD&D will support this project by providing \$700,000, with an additional \$785,000 in co-funding from PG&E, UTD, and EPRI.

More information about the award can be found [here](#).

RD&D Hydrogen Projects

[Read](#) about how we are working towards a clean energy transition.

Recently Completed Projects

[Read](#) about all projects that were completed in the last quarter.

Connect

[Visit](#) the RD&D Webpage for our Annual Report and other important resources.

Follow SoCalGas RD&D on [LinkedIn](#) for the latest updates on upcoming webinars and exciting new projects.

[Connect](#) with us on CEC's Empower Innovation Platform to accelerate your work and advance a clean economy for all.

Have a question? Email us at RDDInfo@socalgas.com.

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