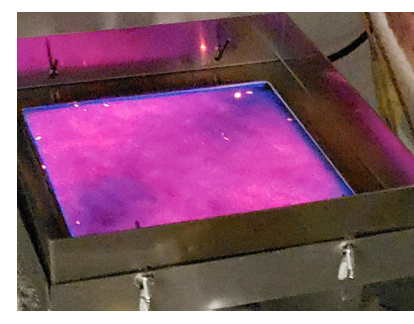




SPOTLIGHT ON **RD&D**



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 cutting-edge research and groundbreaking pilot projects supports our mission to build the cleanest, safest, and most innovative company in America.



Project Spotlight

To support the transition to zero-carbon hydrogen, Oak Ridge National Laboratory began developing a clean, safe, fuel-flexible cooking appliance that can combust any blend percentage of hydrogen in natural gas—from zero to 100%—while delivering immediate efficiency and emissions reduction benefits.

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



Webinar Spotlight

We recently hosted a webinar with Mr. Cliff Johnson, President of Pipeline Research Council International (PRCI), to introduce PRCI's drive for lower emissions and lower carbon. As the industry begins the transition to the next generation of fuels, researchers must collaborate on a global basis.

[Visit our YouTube channel](#) to listen to this discussion and more.



Meet the RD&D Team

We would like to introduce you to Dr. Siari Sosa, Technology Development Manager for Low Carbon Resources in the SoCalGas Research, Development, and Demonstration team. Siari actively manages two exciting projects in the RD&D portfolio: the Direct Ocean Capture from Captura and the H2 SilverSTARs project with SunLine Transit Agency.

Siari and the team focus on the development of innovative technologies in the areas of carbon capture, sequestration, and utilization, as well as renewable gas production applications. As part of this effort, Siari works with developers at different technology readiness levels, from development to large engineering demonstration pilots.

Get to know the talented individuals that make up the RD&D Team by visiting [Meet the Team](#) webpage.

Press Releases

SoCalGas Breaks Ground on First-of-its-Kind Technology to Produce Clean Hydrogen for SunLine Transit Agency's Hydrogen Fuel Cell Electric Buses.

The demonstration research project will produce hydrogen from renewable natural gas for fuel cell buses to help reduce greenhouse gas emissions. Visit [Our Newsroom](#) to read more.

SoCalGas Joins Ford to Reduce Emissions with Cutting Edge F-550 Super Duty Hydrogen Fuel Cell Electric Truck.

This research supports our effort to replace 50% of the over-the-road fleet with clean fuels by 2025 and operate a 100% zero-emissions fleet by 2035. Visit [Our Newsroom](#) to read more.

RD&D In the News

Rocket Fund

SoCalGas provided funding and judged the 2022 Caltech Rocket Fund awards. Rocket Fund received more than 102 applications from 16 states and 22 countries. Of these applications, 19 finalists were selected to present their technologies to a panel of judges from utilities across California.

Congratulations to RD&D Alumni company and 2022 Rocket Fund Awardee, Captura! A spin out of Caltech, Captura is pioneering a Direct Ocean Capture (DOC) technology based on a novel electrochemical process for capturing carbon dioxide from the atmosphere via seawater.

Visit the link to learn [more](#).

GKN Hydrogen, SoCalGas, and the National Renewable Energy Laboratory

With \$1.7M in funding from the US Department of Energy GKN Hydrogen, SoCalGas, and the National Renewable Energy Laboratory are collaborating on the launch of an innovative green hydrogen storage solution that can enable safe, long-duration, clean energy storage without the need for compression.

Visit the link to read [more](#).

RD&D alumni company, C-Zero, featured on the Bloomberg Quicktake series, "Power Moves".

Zach Jones, C-Zero CEO, joins the conversation to discuss how their technology could be described as turquoise hydrogen. This combination of blue and green hydrogen converts natural gas into hydrogen and solid carbon while being low-cost and low-emission.

Visit the link to watch the video [more](#).

Recently Completed Projects

[Read](#) about all the RD&D projects that have been completed this year.

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 California Energy Commission'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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