



CGA Year in Review 2023

110 Years in the Making

A milestone year marked by major projects, record-setting events, and a continued focus on safety for the industry.



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CGA Year In Review 2023

It is with great pleasure that I introduce the Compressed Gas Association's (CGA) 2023 Year in Review. As Chairman of the Board, I am honored to present this document, which encapsulates a year of dedication, progress, and collaboration within the compressed gas industry and **110 years of CGA**.

In 2023 CGA was laser focused on continuing in our mission to to promote ever-improving safe, secure, and environmentally responsible manufacture, transportation, storage, transfilling, and disposal of industrial, medical specialty, and food gases and their cylinders/containers.

This annual report serves as a testament to the collective efforts of our diverse membership and the unwavering dedication of our staff. It reflects the remarkable accomplishments and milestones we have achieved throughout the past year. Moreover, it sets the stage for the continued pursuit of excellence within the compressed gas sector.

Within these pages, you will discover the outcomes of our collaborations, advancements in safety standards, educational initiatives, and the strides we have taken to position our industry for a sustainable future. The 2023 Annual Report is not just a reflection of our past, but a vision of what we aim to achieve together in the years to come.

I extend my gratitude to our members, partners, and the entire CGA team for their commitment, hard work, and unwavering support. Together, we are shaping the future of the compressed gas industry, one that is safer, more efficient, and environmentally responsible.

Thank you for your continued trust and engagement with the CGA, and I invite you to explore the pages ahead, which tell the story of our collective journey in 2023.

Sincerely,



Nelson Moreira

Chairman of the Board / Compressed Gas Association



Membership

Our Members are the **Mission.**

Standards

Access a library of safety and technical standards that is constantly evolving to address the issues most important to you.

Experts

Connect and learn from industry experts about practices to help make your operations safer and more cost-effective.

Informed

Receive regular updates on new regulations, association news, industry news, and CGA events.

Membership Update

CGA Membership

CGA's Membership has grown to **165 companies** with operations in countries around the world.

Please join us in welcoming our new members:



GAWDA Distributor Safety Subscription Program

First launched in 2011, the partnership between the Gases and Welding Distributors Association (GAWDA) and the Compressed Gas Association provides participating GAWDA distributor members with complimentary access to CGA's electronic safety publication library.



89

Total GAWDA participants in 2023

Events

Everything is always better together.

Events

CGA Events

CGA was proud to **host 11 events in 2023** including our Annual Meeting, Canadian Annual Meeting, three technical seminars, YEP Summit and technical webinars.

CGA23



CGA's 110th Annual Meeting, CGA23, was held in sunny Carlsbad, California at the Omni La Costa. Our record-breaking attendance, just shy of 400, was a testament to the passion and growth of our community. During the three-day event, attendees were able to hold committee meetings and showcases, hear

from Ariel Wolf about Autonomous Vehicles and Trucking, network with their peers at multiple receptions, celebrate our industry's leaders during our Safety Awards Banquet and committee leadership appreciation breakfast, and dance the night away during our after party.

Events

CGA23

Please enjoy a few select snapshots from this year's event:



Events

CGA Events



Seminars

CGA held three Technical Seminars in 2023 aimed at providing in-depth presentations on best practices, standards, incidents, and more. In total, we had:

Topics covering in Acetylene, Safety and Reliability of Industrial Gases, Equipment and Facilities, and Hydrogen.

HEADS UP!



For 2024 our Seminars are evolving to meet the needs of our members. **We are excited to be rolling out a new Technical Summit** which will be held in the late Fall. This Summit will be the next generation of our technical seminars, wrapping

multiple events into one Summit. Please visit our website for the latest information on this event and all our upcoming events!



Young and Emerging Professionals Summit

The fourth annual Young and Emerging Professionals Summit, which took place virtually across four days in August, gathered **more than 600 professionals** from across the compressed gas industry.

The Summit, which was planned and executed by young and emerging professionals spanning multiple CGA Committees, drew **participants from around the globe including more than 30 countries**. And, thanks to the generous support of our friends at [WELDCOA](#), this year's summit was free to attend.

The Summit covered a diverse range of topics meant to educate, inspire, and grow our industry's future leaders including association involvement, employee safety, fuel gases, the environment, and the future of our industry.

We look forward to hosting our next YEP Summit this August!



Our virtual events including the **YEP Summit** and **Webinars** attracted **2,613 Attendees** from more than 40 countries and 47 states in 2023.

Special Projects

**The best way
to predict the
future is to
create it.**



Special Projects

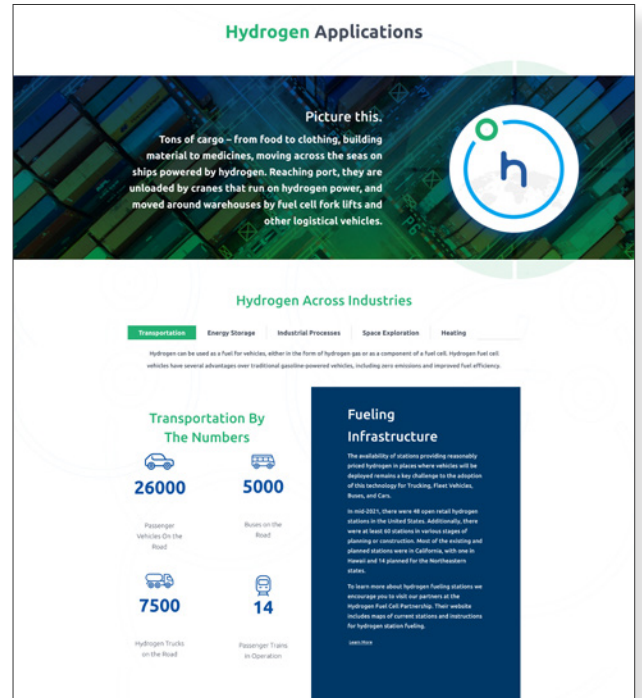
Safe Hydrogen Project

In January CGA launched the Safe Hydrogen Project, an ambitious new safety initiative working to establish and promote industry-wide standards for the production, transportation, and storage of hydrogen and the safe operation of hydrogen systems.

The Safe Hydrogen Project brings together CGA’s expertise and vast knowledge of developing and publishing industry safety standards, with the most current and cutting-edge information about how hydrogen is being incorporated in the global energy mix.



Our website,
SafeHydrogenProject.org
 has been **the cornerstone**
 of this new initiative.



21,000+ users

Safe Hydrogen Project Website

Users reached in 2023 on our website.

Safe Hydrogen Project Website

+175,000 IMP

We had more than 175,000 impressions of our content on the Safe Hydrogen Project LinkedIn spotlight page.

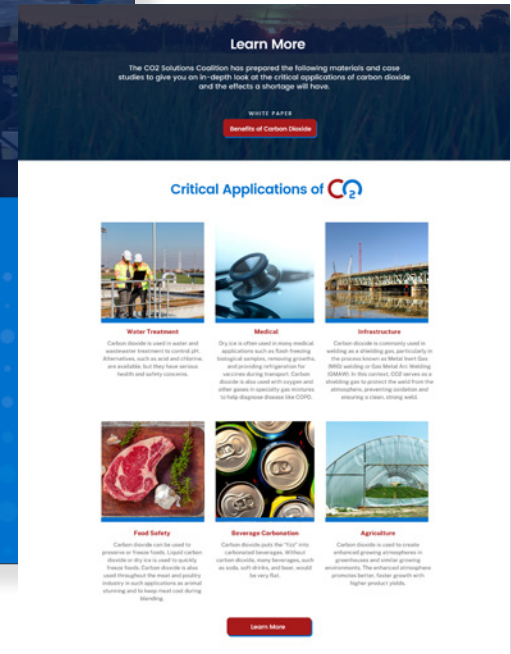
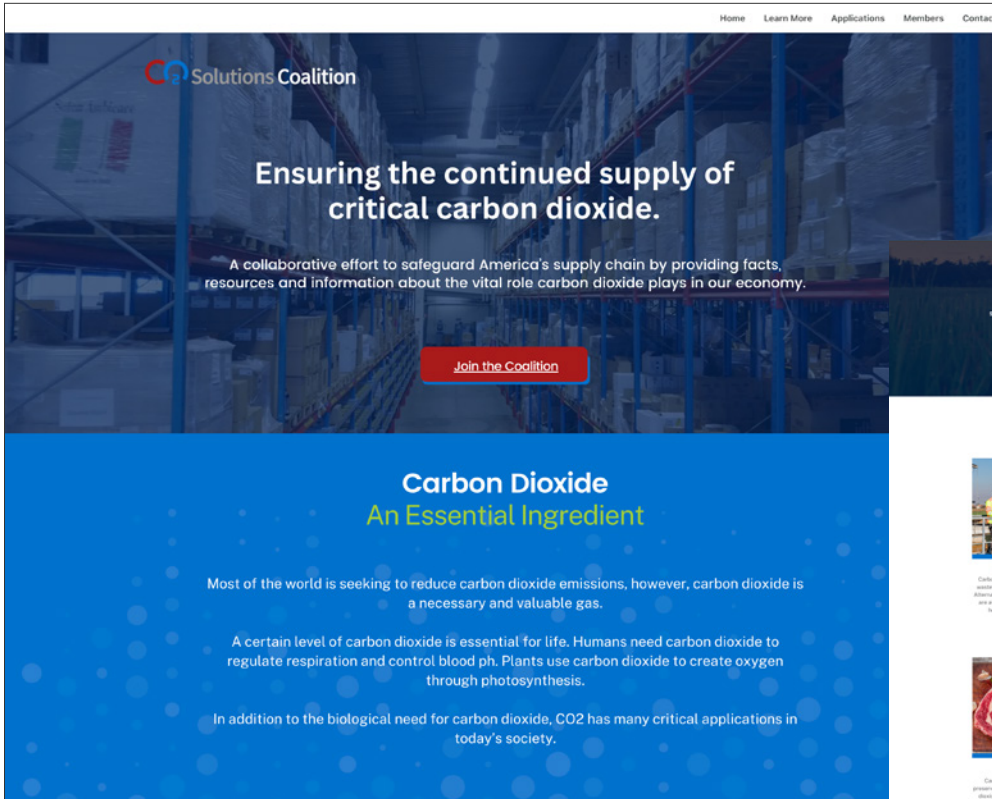
99,000

Views on YouTube

42,000+

Viewed Website Pages

Throughout the year we built on our existing "snackable" video library with two new videos, one on Storage and Transportation and one on Small Scale Hydrogen Production. Those two videos currently have more than 99,000 views on YouTube.



Special Projects

CO₂ Solutions Coalition

In 2023 CGA led an effort to form a coalition to defend the CO₂ supply chain against the unintended consequences of proposed and enacted legislation and regulations.

The CO₂ Solutions Coalition's members now include The Compressed Gas Association (CGA), Gas and Welding Distributors Association (GAWDA), American Beverage Association (ABA), and International Beverage Dispensing Equipment Association (IBDEA) with participation from more than 10 other industry groups representing the end users of CO₂.

Learn More: CO2Solutions.org





Special Projects

Federal Helium Reserve

The Compressed Gas Association (CGA), working with a coalition of industries reliant on helium, urgently called for the delay in the sale of the Federal Helium Reserve System (FHR).

The FHR is located in Texas, Oklahoma, and Kansas and provides between 20 and 30 percent of the US helium supply.

The FHR sale was Congressionally mandated by the Helium Stewardship Act of 2013. CGA's successfully advocated for a delay in the 2021 sale date, and urged numerous facility issues be addressed to avoid a system shut down. We consider this to be a victory for our industry and the public and we worked hard to ensure the smoothest possible transition of the US's most important helium facility and reserves.

Special Projects

National Safety Month

In 2023 CGA kicked off our first National Safety Month celebration.

Each week we highlighted an important theme of safety in our industry.



A cornerstone of the event was our Safety Pledge. More than 320 individuals from member companies took the pledge.

PLEDGE:

“ *I pledge to prioritize safety when working with compressed gases by following all necessary precautions and guidelines to ensure the well-being of myself and those around me.*

I will properly handle and store compressed gas cylinders and equipment, wear the appropriate personal protective equipment, and never use compressed gases or equipment in ways that are not intended.

I will educate myself on the potential hazards of compressed gases and stay informed about any updates to safety regulations.

I will encourage those around me to do the same.

By taking these measures, I commit to creating a safer environment for all those who work with or come in contact with compressed gases.



Standards and Guidelines

Setting the standards for safety.



Standards and Guidelines

CGA maintains a library of over 380 publications, safety alerts, safety bulletins, technical bulletins, technical reports, training materials, and our Handbook of Compressed Gases.

37 Pubs

New and Revised Publications

1 Poster

New Safety Poster

New Publications:

- ✔ [G-6.14](#) Standard for Carbon Dioxide Monitoring in Near Consumer and Industrial Applications
- ✔ [P-93](#) Guideline for Piping Failure Rates in Nontoxic Cryogenic Gas Supply Systems
- ✔ [TR-7](#) Methodology to Determine Piping Failure Rates for Nontoxic Cryogenic Industrial Gas Supply Systems with Pipe Size Up to 6 Inches
- ✔ [H-17](#) Guideline for Small Scale Hydrogen Production
- ✔ [SA-41](#) Safety Alert on Hazards of Liquid Nitrogen in the Food Freezing Industry
- ✔ [P-96](#) Reciprocating Cryogenic Pumps and Pump Installations for Hydrogen and Liquefied Natural Gas
- ✔ [G-6.13](#) Standard for Stationary Uninsulated Cylinder Supply Systems for Carbon Dioxide

Safety Poster:

- ✔ [SP-28](#) Safety Poster (End User), Understanding Hazards of Nitrous Oxide in Automotive and Racing Applications

A company is only as good as its employees.

Thank you to everyone at CGA for making 2023 a successful year. Looking forward to what we can accomplish together in 2024.

Leadership

Board of Directors

Nelson C. Moreira

2023 Chair

Vice President, Operations,
Safety and Quality
Linde Gas & Equipment

Jay Worley

2023 Vice Chair

Chief Operating Officer
Airgas, an Air Liquide company

Steve Aderholt

Board Member

President
*Western Sales and Testing
Amarillo Inc.*

Robert Arcieri

Board Member

President & CEO
Weldship Industries

Joe Brinkman

Board Member

Vice President & CFO
Chart Industries, Inc.

Abydee Butler Moore

Board Member

President and COO
Butler Gas Products

Kelvin Dixon

Board Member

VP, Risk Management
Matheson

Robert DuPuis

Board Member

Vice President Sales & Marketing
Luxfer Gas Cylinders

Chris Ebeling

Board Member

Executive Vice President Sales
and Marketing US Bulk
Messer Americas

Kimberly Elliott

Board Member

Vice President
Harris Products Group

John F. Finn

Board Member

President
FIBA Technologies, Inc.

David A. Fritz

Board Member

President & CEO
Acme Cryogenics, Inc.

Francesco Maione

Board Member

President Americas
Air Products & Chemicals, Inc.

Charles Manz

Board Member

President
Norris Cylinder Company

Brent McWhorter

Board Member

Executive Vice President &
CFO, *Carbide Industries LLC*

Eric Reed

Board Member

Director of Quality
Worthington Industries, *Pressure
Cylinders*

Bob Roberts

Board Member

President
Roberts Oxygen Company, Inc.

Eric M. Rottier

Board Member

Chairman & CEO
Taylor-Wharton

Hector Villarreal

Board Member

President
Weldcoa

Michael D. Walsh

Board Member

CEO
EsprIGas

Employees

CGA Staff



Rich Gottwald

President and CEO



Rich Craig

Vice President, Technical
and Regulatory Affairs



Laura Brumsey

Senior Vice President



Jihan Asher

Standards and Committees
Administrator



Rob Early

Technical Manager



Michael Federovich

Membership and Office
Services Manager



Christina Hartz

Standards and Committees
Administrator



Jana Hollis

Controller



Tanisha Hurey

Standards and Committees
Administrator

Employees

CGA Staff



Krista Lee
Director of Publishing



Kristy Mastromichalis
Senior Program Manager,
Standards & Committees



Paul Pflieger
Director of Marketing,
Communications, and Events



Jerry Sameth
Technical Manager



John Willenbrock
Technical Manager



Mikaela Zallen
Standards and Committees
Administrator



Mary Sullivan
Standards and Committees
Administrator



Jason Bombard
Technical Manager

01. Enhancing Our Standards Program

We are continuously improving the effectiveness of CGA's standards program through the finalization of a comprehensive standards philosophy, streamlining and prioritization of committee work, and increasing member engagement. We continue to drive increased adoption and use of CGA standards among members, the industry at large, and external stakeholders.

02. Engaging Our Members

Committee members are the heartbeat of CGA – and expanding our ability to attract and grow engagement with the talent needed to support CGA committees and programs remains a high priority. We're developing new onboarding and outreach programs, revamping our educational offerings, and continuing to grow participation of young and emerging professionals in CGA committees and events.

03. Increasing Our Agility

We are seeking new ways to improve CGA's ability to address emerging issues and expand more quickly into new areas. This year we are piloting new work processes to shorten standards development times. We also continue to expedite standards development in rapidly developing areas, such as hydrogen, and are implementing new practices to allow for earlier identification of emerging issues.

04. Using Our Influence

We will expand CGA's advocacy efforts, the Federal Helium Reserve effort is now complete. Lead efforts to educate Congress and key Administration officials on the essential uses of carbon dioxide in response to the 45Q tax credit, and build out a clear picture of our industry's impact and essential nature for use in future advocacy efforts.

CGA

Compressed Gas Association
The Standard For Safety Since 1913

**Empowering Safety,
Revolutionizing Standards:**

Building a Safer Tomorrow through Tradition and Innovation

At CGA, our vision is to serve our members, the compressed gas industry, and the public in matters of safety, education, and other interests related to compressed gases and associated products. We are fortunate to draw from the incredible expertise that our volunteers bring to the table – and to incorporate new ideas from the industry's next generation of professionals. Join us in 2024 as we leverage the vast knowledge at our fingertips to develop standards for emerging industry technologies, reimagine our educational programs, and address the topics that matter to you.

Looking *Forward*

Dear CGA Members,

As we reflect on the achievements and progress of the past year, I am filled with gratitude for the unwavering commitment and dedication of our esteemed members. Your collective efforts have propelled the Compressed Gas Association (CGA) forward, reinforcing our position as a leading authority in the compressed gas industry.

As we embark on a new chapter, I am excited to share with you the bright future that lies ahead for CGA. Our organization is poised for significant growth and innovation, and I am thrilled to announce several key initiatives that will shape our path forward.

First and foremost, our commitment to safety remains paramount. In an ever-evolving industry landscape, it is imperative that we are steadfast in our efforts to uphold the highest standards of safety. Through accelerated standards development, enhanced training programs, collaborative endeavors, and advocacy efforts, we will continue to champion safety as our top priority.

Furthermore, we recognize the importance of empowering the next generation of leaders through our Young and Emerging Professionals (YEP) Program. Our strength lies in nurturing a diverse and inclusive community, where the voices of all professionals are not only heard but also valued. By investing in initiatives tailored to YEP development and advancement, we will cultivate a more vibrant and innovative industry that harnesses the full potential of our membership's talent and expertise.

In addition, we are excited to announce the launch of several new working groups and task forces dedicated to tackling pressing industry needs. From advancing emerging technologies to addressing regulatory complexities, these collaborative efforts will enable us to drive positive change and shape the future of the compressed gas industry on a global scale.

None of this would be possible without the tireless dedication of our members, volunteers, and staff. Your unwavering support and commitment to our shared mission are truly inspiring, and I am deeply grateful for the opportunity to work alongside such remarkable individuals.

As we look ahead to the opportunities and challenges that await us in the coming year, I am confident that together, we will continue to achieve great things. Thank you for your continued support, and I look forward to our collaboration as we write the next chapter of CGA's storied history.

Sincerely,



Rich Gottwald

President and CEO / Compressed Gas Association



Staying Connected
With CGA and Your
Fellow Members



CGANews

CGA Hydrogen Newsletter

Online:
cganet.com