

The CCPS Story

Just after midnight on December 3, 1984, water contamination in a methyl isocyanate storage tank created a toxic gas release in Bhopal, India, causing more than 3,000 fatalities and over 100,000 injuries to nearby residents.

In February of 1985, industry leaders asked the American Institute of Chemical Engineers (AIChE) to lead a collaborative effort to eliminate catastrophic Process Safety incidents. On March 23, 1985, AIChE formed the Center for Chemical Process Safety (CCPS); CCPS completed *Guidelines for Hazard Evaluation Procedures* a short time later.

As we enter 2025, we pause to reflect on the progress we've made, while we continue to honor the memories of those lost in Bhopal, by striving for a future where we can achieve a World without Process Safety Incidents. Toward this end, we remain committed to learning from incidents, advancing the practice, and collaborating broadly to implement safety measures. Vision 20/20 serves as our road map. Come join the "Global Community Committed to Process Safety" — be ready for the future by working to create it.

About CCPS

The Center for Chemical Process Safety (CCPS®) is a not-for-profit, corporate membership organization within AIChE that identifies and addresses Process Safety needs for facilities that handle, store, use, process, or transport hazardous materials. CCPS member companies, working in project subcommittees, define and develop useful, time-tested guidelines that have practical applications within industry. CCPS educates employees of member companies through its events, courses, books, tools, online resources, and publications.

CCPS Vision

A World without Process Safety Incidents™

CCPS Mission

CCPS is committed to achieve a world without Process Safety incidents by:

- Serving as a premier worldwide resource for Process Safety knowledge and understanding
- Advancing Process Safety culture, technical concepts and management practices
- Enhancing individual and organizational Process Safety competency
- Fostering collaboration within and across organizations, at all levels
- Promoting Process Safety as a key societal value and foundation for responsible, sustainable operation

Message from the Executive Director & CEO



Shakeel Kadri
CCPS Executive
Director & CEO

As we look back on our 40th anniversary year, 2025 emerges as one of the most successful and productive years for the global CCPS community. We made significant strides in our "Responsible Collaborations" initiative, enhanced our Early in the Process Safety Journey programs, achieved remarkable progress in our Advanced Practitioner initiatives,

broadened our global outreach, grew our membership to nearly 300 organizations, and successfully launched the inaugural International Process Safety Day (IPSD). I would like to express my heartfelt gratitude to our global and regional members, staff, and partner organizations for their invaluable contributions to these accomplishments.

In 2025, we initiated the first PSD thanks to the collaborative efforts of CCPS, MKOPSC, IChemE, EPSC, and FABIG. Together, we created and presented a one-day virtual program on December 2, 2025. PSD is built on the groundwork laid during the first International Process Safety Week in 2024, integrating enhancements based on stakeholder feedback. Initial reactions to PSD have been overwhelmingly positive.

Our Early in the Process Safety Journey initiatives have continued to bolster process safety awareness in academia. The usage of SACHE modules has remained steady compared to previous years. We organized three Process Safety Student Workshops, hosted by AdvanSix, BASF, and LyondellBasell, and introduced a pilot Faculty Workshop aimed at two-year college faculty, conducted in partnership with the AIChE Foundation, LyondellBasell, and San Jacinto College's Center for Petrochemical, Energy, and Technology. Additionally, our Early Career Professional (ECP) initiative has made strides, with two modules now finalized. We are planning to transform these modules into webinars for a pilot in 2026.

Our Advanced Practitioner programs have also made significant progress. In 2025, we continued to develop shorter guideline documents, especially monographs. This year, we published the book "Preparing Process Equipment for Maintenance and Return to Service." Furthermore, the last two Safe Work Practices—Access

to Hazardous Areas and Emergency Plans—were released, increasing the total safe work practices to twenty. Upcoming publications in the Golden Rules/Key Principles of Process Safety series for 2025 will include volumes on Anhydrous Ammonia, Asset Integrity & Reliability, Ethylene Oxide, and Phosgene. New monographs released in 2025 feature Outsourced Manufacturing (which aligns with the upcoming guideline book) and Process Safety and the Energy Transition – Batteries. Other significant initiatives included starting a refresh of the Process Safety Boot Camp course and approving the update of the Guidelines for Risk Based Process Safety, 2nd Edition. The CCPS Process Safety Professional Certification (CCPSC) program continues to grow, with nearly 600 CCPSC worldwide. We also advanced our Process Safety Leadership workshops and noted strong global interest in the implementation and assessment of Risk Based Process Safety Management Systems.

Our regional and global engagement has expanded significantly through both in-person and virtual events. Regional meetings continue to draw substantial national and international participation, fostering deeper collaboration among process safety professionals across industries such as food, agriculture, steel, mining, oil and gas, chemicals, hydrogen, and biofuels. In 2025, CCPS held regional meetings in twelve countries: The United States, Malaysia, the Middle East, India, Europe, Germany, Switzerland, Chile, Brazil, Africa, Canada, and Trinidad & Tobago. I would like to express my gratitude to our regional and global members for their leadership in organizing these events.

In closing, I thank the CCPS Technical Steering Committee, the CCPS Planning Board, and the CCPS Governing Board for their steadfast support and guidance. These governing bodies persist in enhancing their collaboration and planning initiatives. I would also like to acknowledge the CCPS Planning Board for initiating the development of the CCPS Strategic Plan, focused on three priority areas: enhancing the member value proposition, strengthening engagement, and elevating the CCPS brand.

I wish everyone a safe, healthy, and prosperous 2026.

A handwritten signature in black ink, appearing to read "Shakeel A. Kadri".

Highlights from the Year

Events



12

COUNTRIES VISITED
IN-PERSON AND VIRTUALLY



Thousands

OF PROCESS SAFETY
PROFESSIONALS ENGAGED
WORLDWIDE

- **3 Student Boot Camps**
- **1 Faculty Workshop**
- **2 Conferences**
 - 21st Global Congress on Process Safety
 - 2025 Global Conference on Process Safety and Big Data
- **Regional Meetings, Panel Discussions, and Webinars**



1 2025 CCPS Governing Board Members **2** Regional Meeting in India
3 Regional Meeting in Chile



MEMBERS IN

49

COUNTRIES



300

GLOBAL MEMBER
COMPANIES

**Expanding global and
regional engagement**

- ANGOLA
- ARGENTINA
- AUSTRALIA
- BAHRAIN
- BOLIVIA
- BRAZIL
- BRUNEI
- CANADA
- CHILE
- CHINA
- COLOMBIA
- DENMARK
- ECUADOR
- EGYPT
- GERMANY
- INDIA
- ISRAEL
- ITALY
- JAPAN
- JORDAN
- KUWAIT
- LUXEMBOURG
- MADAGASCAR
- MALAYSIA
- MONGOLIA
- MOROCCO
- NIGERIA
- OMAN
- PAKISTAN
- PERU
- PHILIPPINES
- PORTUGAL
- QATAR
- SAUDI ARABIA
- SINGAPORE
- SOUTH AFRICA
- SOUTH KOREA
- SWITZERLAND
- THAILAND
- TRINIDAD AND TOBAGO
- UNITED KINGDOM
- URUGUAY
- USA
- VIETNAM

Get Your Company Involved

JOIN CCPS as a member company to help prevent catastrophic Process Safety incidents.



NOT A CCPS MEMBER YET?
Contact CCPS at ccps@aiche.org or **1.646.495.1371**
aiche.org/ccps

SHARE your expertise by participating in the Global Congress on Process Safety (GCPS), Global Summit on Process Safety (GSPS), a CCPS Regional Conference, or a Global or Regional Technical Steering Committee Meeting.

CONFERENCES, MEETING & EVENTS: aiche.org/ccps/conferences-events



MENTOR your new employees by bringing them to the Young Professionals program at the GCPS.



aiche.org/Bring-a-Young-Colleague

MODEL your company as a Process Safety champion for CCPS publications, monographs, and tools.



PUBLICATIONS: aiche.org/ccps/publications

MONOGRAPH: aiche.org/ccps/monographs

TOOLS: aiche.org/ccps/tools

COMMUNICATE the message by forwarding CCPS' *Process Safety Beacon* to your colleagues, available in over 40 languages.



Sign up for the CCPS Beacon: aiche.org/ccps/process-safety-beacon

VOLUNTEER for a CCPS project subcommittee. Share your knowledge and help shape industry best practices. Opportunities are available for subject matter experts to work with other global member companies on new or ongoing projects each year. You or anyone from your company can also participate as a peer reviewer. Key contributors will be recognized in the published materials.



Your company must be a CCPS member to volunteer for a project. Contact **CCPS** at ccps-projects@aiche.org to volunteer or peer review for any of CCPS' available projects.

Volunteer Today: aiche.org/ccps/community/projects/accepting-volunteers

NETWORK with your peers via CCPS' LinkedIn page:



Follow our LinkedIn page to stay up-to-date with CCPS information about members, events, books, services, and benefits.

linkedin.com/showcase/ccps-process-safety

PARTICIPATE by using the Excellence in Process Safety self-assessment tool (open to all) and the RBPS self-assessment tool (members-only), driven by five industry tenets, four societal themes, and the twenty RBPS elements.



aiche.org/ccps/excellenceinps and aiche.org/ccps/rbps

EDUCATE your workforce by getting involved with the CCPS education curriculum, with face-to-face and virtual instructor-led courses including *Process Safety Boot Camp* (CH900) / *Foundations of Process Safety* (CH910), *Recognizing Catastrophic Incident Warning Signs* (CH901), *Incident Investigation and Root Cause Analysis* (CH850), and our many eLearning courses on Process Safety and related topics.



aiche.org/ili/academy

DEMONSTRATE OR BUILD YOUR COMPETENCY



CCPSC® – this elite global Process Safety Certification is based on experience and knowledge of the CCPS RBPS elements. The assessment is based on a rigorous application and exam offered three times per year.

Learn more at aiche.org/ccps/ccpsc

CCPSf – this certificate program is ideal for early career professionals and students. It includes 24 Process Safety SACHE courses, and awards a certificate upon completion.

Learn more at aiche.org/ccps/ccpsf

ADVERTISE your company's services and website for FREE through CCPS' online Professional Services Directory. This opportunity is only available to CCPS member companies. For information on how to get your company listed, please contact **Michele Horwitz** at michh@aiche.org.



Review current listings at: aiche.org/ccps/community-members/directory

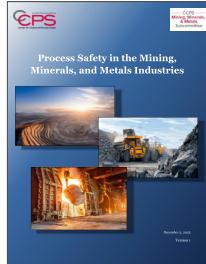
Resources to Explore

New CCPS Publications

- 2 online editions of the *Book of Beacons*
- Several new monographs

For a list of CCPS' ongoing projects, please refer to our Projects Page – aiche.org/ccps/projects.

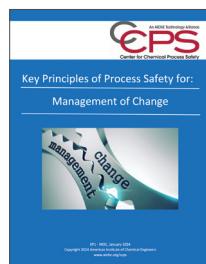
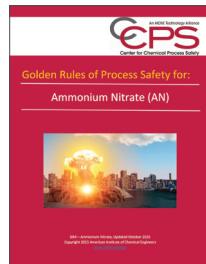
Please refer to the **Process Safety at a Glance** flyer for a list of CCPS' books and monographs.



Golden Rules and Key Principles

CCPS Golden Rules are designed to provide Process Safety professionals with information to deal with Process Safety hazards. These rules/tenets are based on absolute statements to address the inherent hazards associated with process technologies including FCC operations, chlorine chemistry, nitration chemistry, peroxides, combustible dust, and others.

CCPS Key Principles address key elements of Process Safety Management Practices. The key principles presented reflect good, common, or successful practices and are intended to assist in the design and implementation of these elements. These principles are intended to strengthen and support Incident Investigation, Management of Change, and Operational Readiness programs.



Process Safety Beacon

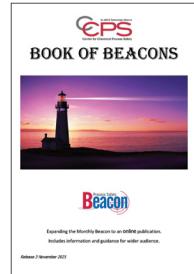
Produced by CCPS, the *Process Safety Beacon* (aiche.org/ccps/process-safety-beacon) is a resource aimed at delivering Process Safety messages to plant operators and other manufacturing personnel. The monthly one-pager, often used as a training tool, covers a breadth of Process Safety topics. Each issue discusses a real-life accident, and describes the lessons learned and practical means to prevent a similar accident in your plant. With an



estimated distribution of one million readers, and published in over 40 languages, the *Beacon* is CCPS' most widely read publication.

Book of Beacons, now available online, for members only.

aiche.org/ccps/process-safety-beacon/book-of-beacons



Process Safety Glossary

The app for the Process Safety Glossary is available for iPhones and Android devices. It can be downloaded from the Apple and Google Play app stores. It is a handy tool to look up the definition of Process Safety terms.

Process Safety Incident Database (PSID®)

The **CCPS Process Safety Incident Database (PSID)**, is a lessons learned tool, available to most member companies and contains over 875 incident details provided by CCPS members. Member companies who wish to register and enhance the breadth of knowledge in PSID by contributing content can contact ccps_psid@aiche.org.



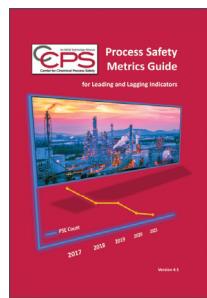
PROCESS SAFETY INCIDENT DATABASE
From the Center for Chemical Process Safety

Process Safety Incident Evaluation (PSIE) Tool

The app for the updated Process Safety Incident Evaluation (PSIE) Tool was launched for iPhones and Android devices. It can be downloaded from the Apple and the Google Play app stores. Also included online is a Leading and Lagging Indicators Manual to support the online tool.

Process Safety Metrics Guide for Leading and Lagging Indicators

The **Process Safety Metrics Guide** is for those who are selecting and managing a company's Process Safety metrics. By evaluating and responding to trends using company-specific metrics, a company can continuously reduce

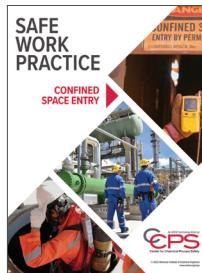


its Process Safety risks and improve its Process Safety programs. A few translations of this guide are available, as well. It is free and downloadable at aiche.org/ccps/process-safety-metrics.

Safe Work Practices (SWP)

The **Safe Work Practices** are designed to reach and provide value to a very broad audience, including operations, maintenance, and engineering personnel in the process industries. Specific notes and potential vulnerabilities are presented, allowing users to personalize safe work practices to raise the sense of vulnerability for potential hazards.

aiche.org/ccps/swp



RAST and CHEF

The **Risk Analysis Screening Tool (RAST)**, an Excel-based software, is used to help validate hazard scenarios and evaluate Process Safety risks. RAST is excellent for assisting Process Hazards Analysis (PHA) teams, managing the Process Safety risks associated with process changes, or evaluating and potentially reducing the Process Safety risks of a process during its design.

The **Chemical Hazards Engineering Fundamentals (CHEF)** tool, also Excel-based, is a Calculation Aid that describes the engineering and mathematical framework used in a screening Hazards Identification and Risk Analysis (HIRA). CHEF provides the user with the mathematical equations that are used in RAST's HIRA calculations.

The RAST and CHEF tools, user manuals, and case studies are free and downloadable at aiche.org/ccps/rast

Risk Based Process Safety (RBPS) Resources

The CCPS RBPS approach has been used to help improve Process Safety performance for more than a decade. It is based on four pillars: Commitment to Process Safety, Understand Hazard and Risk, Manage Risks, and Learn from Experience. In addition to the CCPS Guidelines (aiche.org/resources/publications/books/guidelines-risk-based-process-safety), there are many resources, such as webinars, book summaries,

in-person and virtual training courses, that can be used to help companies implement these pillars and their associated elements.

aiche.org/ccps/resources/rbps

CCPS on Knovel

As a CCPS member, your organization is entitled to a 35% discount on the CCPS collection on Knovel ([knovel.com](https://www.knovel.com)). For more information about subscribing to the CCPS collection on Knovel, contact Knovel directly at CCPSonKnovel@elsevier.com. The Knovel collection provides easy online navigation and search functionalities for CCPS Books and the GCPS Proceedings within the digital library.



Chemical Reactivity Worksheet

The **Chemical Reactivity Worksheet (CRW)** is a powerful tool for companies, including emergency responders and planners, that are handling, storing, or managing hazardous chemicals. The CRW is used to determine the chemical reactivity of thousands of common hazardous chemicals, their absorbent compatibility, and their materials of construction suitability. In addition, the CRW can be used to predict possible hazards between two chemicals when they are mixed. This resource is free and downloadable at aiche.org/ccps/crw.

Executive Leadership Workshop

The Executive Leadership Workshop is a one-day, in-person, intensive training designed for top-level executives. The workshop addresses the Process Safety needs of corporate executive, business, and regional leadership teams to establish a business case for Process Safety, and to improve the Process Safety culture within an organization, among other key learnings. For more information, please contact **Denise DeLuca Mallon** at denid@aiche.org.

Professional Services Directory

The Professional Services Directory is a resource for manufacturing companies. All providers listed are member companies specializing in Process Safety services.

aiche.org/ccps/community/members/directory



SACHe®

Launching your career with a strong Process Safety foundation to help create a safer, more livable world...

...begins in the classroom. As part of AIChE's *Doing a World of Good* campaign, and in conjunction with the Center for Chemical Process Safety (CCPS), industry and academia have come together to launch a major global initiative to improve and accelerate Process Safety education at the university level you can graduate with a strong foundation in Process Safety.

aiche.org/sache

SACHe
Safety+Chemical
Engineering Education

AIChE

DOING
A WORLD
OF GOOD



Student Boot Camps

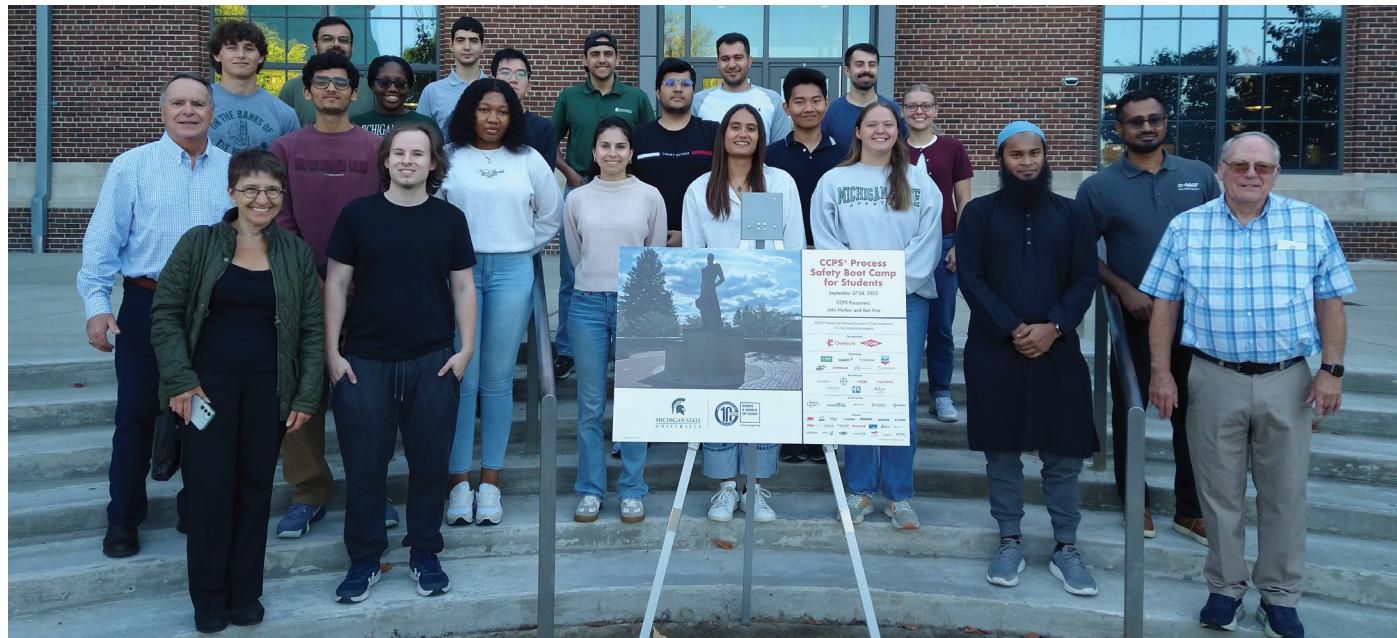
Student Boot Camps, sponsored by CCPS member companies, introduce engineering students to how leading companies across a variety of chemical process industry (CPI) sectors manage Process Safety to prevent catastrophic accidents involving toxic, highly reactive, and flammable materials. These events are part of the Undergraduate Process Safety Learning Initiative (UPSLI), a core priority of the AIChE Foundation's Doing a World of Good campaign. CCPS held three in-person Student Boot Camps in 2025.

For more information: aiche.org/studentbootcamps

→ **AdvanSix Sponsored CCPS Student Boot Camp**
September 13-14 | North Carolina State University

→ **BASF Sponsored CCPS Student Boot Camp**
September 27-28 | Michigan State University

→ **LyondellBasell Sponsored CCPS Student Boot Camp**
October 18-19 | University of Illinois Urbana-Champaign



■ BASF Sponsored CCPS Student Process Safety Workshop



CCPS Faculty Workshops

For over a decade, CCPS and its industry partners have collaborated closely with four-year colleges and universities worldwide to integrate process safety into engineering education. This year, a new initiative was launched, enabling collaboration to expand to the two-year college level, with San Jacinto College serving as a pilot partner. San Jacinto College's **Center for Petrochemical, Energy, and Technology (CPET)**, in collaboration with the Center for Chemical Process

Safety (CCPS) and **LyondellBasell (LYB)**, launched an initiative to bridge the gap between industry and academia. The faculty workshop focuses on integrating **Process Safety Management (PSM)** principles into the curriculum for incoming **process, mechanical, and instrumentation & electrical (I&E)** technicians—the future workforce of the petrochemical industry.

For more information: aiche.org/facultyworkshop



■ LYB Sponsored CCPS Faculty Workshop



Early Career Professionals

Early career engineering professionals often encounter difficulties with Process Safety training and the practical elements of their daily responsibilities. The Early Career Professional Learning Initiative (ECPLI) aims to pinpoint the requirements of Early Career Professionals (ECPs) engaged in Process Safety. The ECPLI Committee has

recognized essential focus areas that ECPs face and has developed training modules addressing these subjects. The initial pilot training module addressed Management of Change, and Piping and Instrumentation Diagrams (P&IDs). For further details regarding the program, please reach out to ccps@aiche.org.



Process Safety Boot Camps

The Process Safety Boot Camp is CCPS' flagship course based on CCPS' Risk Based Process Safety (RBPS) Management approach, featured in the CCPS book *Guidelines for Risk Based Process Safety*. The Boot Camp covers the fundamental concepts of Process Safety, why effective Process Safety management systems are needed, and why Process Safety is important as an operating principle. Participants from the chemical, oil & gas, pharmaceutical, foods, metals, mining, and other industries will gain the knowledge to improve Process Safety management practices through the four pillars and twenty elements of RBPS, to build and operate more effective systems that will fit their company's needs and resources.

This highly interactive course is taught by two Process Safety experts, each with 25+ years' experience. Lectures, videos, incident case studies, discussions, and breakout sessions are featured. Please visit aiche.org/ili/academy/courses/ch900/process-safety-boot-camp to register for a public face-to-face or virtual course, or contact sales@aiche.org for information on a private course.



CCPS Process Safety Professional Certification



The **CCPS Process Safety Certification (CCPSC®)** exam shows your employer and colleagues that you have the significant depth and breadth of experience needed to excel in your career. This rigorous certification process verifies your competency as an expert in the latest Process Safety tools and techniques.

Requirements to qualify for the exam include 5 years' experience and a degree in a STEM (Science, Technology, Engineering or Math) field, or 10 years' Process Safety experience. In-depth knowledge of the CCPS Risk Based Process Safety concepts and applications are also required. The exam is offered three times per year; March, July, and November. The annual renewal, which includes a continuing education requirement, serves to prove your ongoing proficiency.* For more information about the CCPSC® certification program, please go to aiche.org/ccps/ccpsc

*The CCPSC® is not a training program



The **CCPS Process Safety Fundamentals Certificate Program (CCPSf)** is a training program designed for students, early career professionals, and mid-career professionals adding Process Safety to their responsibilities. It is a curated list of 24 Safety and Engineering courses from our SACHE course offerings within 5 categories: Process Safety Basics; Introduction to Hazards; Understanding Risk; Practical Applications for Managing Risk; and Risk Based Process Safety (RBPS) Pillars. For more information about the CCPSf, please go to aiche.org/ccps/ccpsf



CCPS Subcommittees



The **Pharma, Food, & Fine Chemicals (PFFC) Subcommittee** was established to support members of CCPS within the pharmaceutical, food, and fine chemicals sectors. The primary goal of the PFFC is to ensure that Process Safety in pharmaceutical and small-batch operations is implemented appropriately. This involves sharing best practices, fostering mutual learning, and promoting effective, compliant, and risk-based approaches. Additionally, the PFFC aims to disseminate how various companies apply Process Safety Management (PSM) principles. PFFC hosts quarterly meetings that are open to all, please visit aiche.org/ccps/pffc for more information.



The **Mining Minerals and Metals (M³) Subcommittee** is dedicated to advancing the global mining, minerals, and metallurgical sectors by leveraging the CCPS Risk Based Process Safety (RBPS) framework as its core principle. Additionally, it seeks to identify existing challenges and offer guidelines and tools to address the gaps not currently addressed by the RBPS framework. Ultimately, the subcommittee is committed to fostering the exchange of best practices among its members to enhance collective knowledge. M³ hosts 2-3 meetings each year for anyone interested, for further information about the CCPS M³ Subcommittee, please visit aiche.org/ccps/mmm.

Global Events

NORTH AMERICA

21st Global Congress on Process Safety

The 2025 AIChE Spring Meeting and 21st Global Congress on Process Safety (GCPS) was held in person April 6-10, 2025. The 21st GCPS featured nearly 50 Technical Sessions, over 135 technical papers, and over 90 poster presentations. The Global Congress incorporates the programming of the 59th Annual Loss Prevention Symposium, the 40th CCPS International Conference, the 27th Process Plant Safety Symposium, the 14th Process Safety Management Mentoring Forum, and the International Perspectives on Process Safety from around the World.

10th Annual Regional Calgary Meeting

CCPS celebrated its 10th-anniversary Canada Regional Meeting in Calgary on September 11th, with a record-breaking attendance of 200 people from across Canada and 70 companies across 21 industries. For the second year in a row, Ovintiv kindly hosted this event, which featured a recognition of Fred Henselwood of Nova Chemicals' commitment to coordinating this meeting since its inception in 2016, as well as a full day of insightful presentations by company presenters as well as students from the University of Alberta, on key learnings, innovative methods and critical focus areas on Process Safety.

Featured topics included: Process Safety and AI; 20 Years and Looking Back on Buncefield; Performance-Based Fire and Gas System Design for Petroleum Storage Tank Safety; and Mind the Gap: Rethinking Risk Acceptance in HAZOP and LOPA. Networking and incident-sharing topics were also addressed throughout the meeting.

2025 Fall TSC Meeting

The Fall Technical Steering Committee Meeting was held on November 5-6, 2025, in Houston, TX. Over 70 attendees participated in person. Over the course of the two-day meeting, attendees heard presentations ranging from CSB updates to The Journey from Strategy to Operational Discipline: Advancing Process Safety Excellence. Multiple interactive panels and workshops including "Imbedding Learnings from Incidents," "Ensuring PS in MooC-Divestitures" and "RBPS Update workshop," were also conducted during the meeting to help CCPS gain insights on how to better serve our members and achieve CCPS' mission of "A World without Process Safety Incidents." Additionally, during the meeting, Gregg Kihne, Lucas Ng, and Akira Takeuchi were recognized as CCPS Fellows.

CARIBBEAN

Trinidad 3rd Annual Regional Meeting

CCPS hosted its 2nd in-person meeting in Trinidad on October 9, 2025. The event had a record turnout, with 250 attendees, 30 organizations, and 10 sponsoring companies. This year's event featured prominent speakers to open the meeting, including the Ministry of Energy and Energy Industries, a representative from the Board of Engineering of Trinidad and Tobago, the CEO of CCPS, and Representatives from IChemE. Wayne Mohan of Heritage Petroleum was instrumental in planning and chaired the Meeting.

Featured Keynote speakers included Joseph Meanan, "One of the 61" Piper Alpha Survivor, and Rear Admiral Richard Kelshall, "1979 Atlantic Empress – Aegean Captain Collision."



1 The CCPS Workshop on "Process Safety Metrics: API RP 754 (Edition 3) Implementation" 2 Harold Fisher Receiving Lifetime Achievement Award at 2025 DIERS Fall Meeting 3 10th CCPS Canadian Regional Meeting 4 CCPS Book Chinese Translation Series Launch Ceremony

Additional incident and Process Safety topics were shared entitled; “The Impact of Structural Integrity on Process Safety – A National Energy Case Study – Savonetta Pier 2 Sub Sea Pile Restoration,” “From Incident to Insight: The Role of Digital Tools in Preventing Process Safety Failures,” “Proper Piping Design Can Avert a Process Safety Event,” Fuel, Fire, Response: A Tank Roof Fire Disaster,” “Beyond Compliance: Designing Systems that Learn from Human Error.” As well as others.

The day concluded with a sponsored, catered social, networking event. CCPS looks forward to future successful events in the region.

ASIA / MIDDLE EAST/ OCEANIA / AFRICA

6th CCPS Webinar on Process Safety in Africa-June 24, 2025

The CCPS–DNV Webinar on Process Safety in Africa was attended by 200+ delegates from across the region, creating an impactful platform to exchange knowledge and strengthen process safety excellence across Africa Region. The session highlighted key technical themes, including incident learnings from Angola LNG, insights into managing near misses, and an in-depth case study on a cobalt sintering furnace explosion in a hydrogen environment. Presenters also explored advanced topics such as operational excellence through integrated systems, digital transformation challenges, risk management for battery energy storage, and managing downgraded barriers in high-risk operations. The diverse technical contributions reflected the region’s growing commitment to strengthening process safety performance. Process Safety Initiative of Nigeria (PSIN) was the institutional partner of this webinar.

India Regional Meeting

The CCPS India Regional Meeting at GIDM, Gandhinagar, was hosted by “PI Industry Centre of Excellence Industrial Safety and Risk Management”. The meeting was held on October 9, 2025. The event convened over 100 delegates from 60+ process industries across India, offering a platform for process safety interaction and mutual collaboration. The meeting marked a key milestone with the announcement of an MoU between GIDM and CCPS to strengthen collaboration in advancing process safety. The meeting featured a robust technical program with sessions covering cultural transformation in process safety (BPCL), lessons learned from major incident case studies (IOCL), insights into hidden hazards in chemical processes (Asian Paints) and safe unloading of chemical tankers by Yashashvi Rasayan Pvt. Ltd. A high-level panel discussion on “Closing the Gap: How We Embed Learnings from Process Safety Incidents?”

brought together senior leaders from Reliance Industries, IOCL, Bayer, Tata Steel, and Marsh India, offering diverse industry perspectives on strengthening organizational learning and performance. The meeting served as a valuable platform for sharing experience and advancing process safety excellence across the sector.

South East Asia Regional Meeting

The CCPS South East Asia Regional Meeting, was held on - October 6, 2025 hosted by PETRONAS at the PETRONAS Leadership Centre in Malaysia, brought together over 100 participants for a highly engaging exchange on strengthening process safety across the region. The meeting featured five technical presentations addressing key topics such as incompatible chemical transfers, LOPC management, human factors in investigations, LNG SCE identification, and combustible dust safety. Senior leaders from PETRONAS, Air Products, Ecolab, and Marsh contributed to a dynamic panel discussion on embedding learnings from incidents into organizational practice. The program also included updates on the CCPS Regional Project (P-324) and an interactive roundtable, reinforcing strong regional collaboration and collective commitment to advancing process safety excellence across SE Asia region.

API Workshop

The CCPS Workshop on “Process Safety Metrics: API RP 754 (Edition 3) Implementation”, was held on November 24-25, 2025 at the Abu Dhabi Energy Center, was attended by 50+ delegates from across the Middle East for two days of focused learning and hands-on discussions. Facilitated by Shakeel Kadri and Kelly Keim, the workshop explored the full spectrum of process safety metrics—including the scope of process safety, Tier 1–4 indicators, severity weighting, data capture and analysis, and benchmarking practices. The highly interactive format encouraged dialogue, allowing delegates to compare approaches and strengthen their competency in implementing API RP 754’s latest edition.

LATIN AMERICA

Latin America Regional Meetings

In 2025, CCPS continued to expand its presence in Latin America through a series of in-person regional meetings, technical programs, and virtual knowledge-sharing events conducted in collaboration with member companies and partner institutions across the region, with the ongoing support of CCPS consultants Néstor Sposito and Alexandre Glitz. These initiatives consistently brought together professionals from a wide range of sectors—including oil and gas, chemicals, mining, energy, cellulose, food, agriculture, and manufacturing—reflecting strong regional engagement and the growing adoption of process safety principles across diverse industries.

Brazil Regional Meeting

Hosted by APERAM and supported by VALE, the Brazil Regional Meeting took place on May 7–9, 2025, combining technical sessions with experiential activities, including a pre-meeting VALE train transportation experience. The two-day conference at the APERAM Foundation brought together nearly 200 participants, featuring 20 technical presentations, three panel discussions, project exhibitions, and guided tours of APERAM's R&D laboratories and technical museum. CCPS appreciates the commitment of APERAM and VALE, whose support and sponsorship made this event possible.

Chile Regional Meeting

In October 2025, CCPS held its second major in-person regional meeting in Concón, Chile, hosted by ENAP at the beautiful Campos Deportivos de ENAP. More than 100 professionals participated in technical presentations, workshops, panel discussions, and a guided site visit to the Aconcagua Refinery, contributing to a highly collaborative exchange focused on continuous improvement in process safety. CCPS recognizes and thanks ENAP for hosting and sponsoring this important regional gathering.

Spanish-Language Webinars and Foro-Debates Co-hosted with UTN-FRN

In 2025, CCPS delivered a series of Spanish-language webinars aimed at expanding access to process safety knowledge across Latin America, complemented by additional Foro-Debate sessions co-hosted with the Universidad Tecnológica Nacional – Facultad Regional Neuquén (UTN-FRN). These virtual events took place on June 11, July 24, October 21, and November 19, offering accessible opportunities for Spanish-speaking professionals across the region and beyond to engage in technical discussions and share best practices. CCPS appreciates UTN-FRN's continued partnership in supporting the Foro-Debate series and strengthening outreach to the Spanish-speaking process safety community.

Portuguese-Language Webinars (Hosted with Brazilian Institutions)

Portuguese-language webinars were delivered in partnership with companies and technical institutions including KLABIN, IBP, SPE, ANP, 3M, and IPT, with sessions held on July 15, August 19, September 9, and November 4. CCPS values the collaboration of these organizations in helping expand access to process safety discussions within the Portuguese-speaking industrial community.

EUROPE

CCPS Europe Regional Meetings

In 2025, CCPS held one virtual and one in-person Europe

Regional Meeting. During the virtual session, Moeve delivered a comprehensive overview of their process safety strategy, emphasizing current challenges and opportunities. Other significant topics discussed at the meeting included the Digitalization of Process Safety and the increasing "trust gap" between technology and human decision-making; as well as how Natural Language Processing can convert unstructured data into actionable insights for safety enhancement.

The in-person meeting was hosted at Syngenta's Basel office. It featured presentations that included valuable lessons learned from the Antwerp incident, advancements in cultural adaptation, analysis of high-potential incidents, and effective change management. Additionally, a panel discussion on Driving PSM Excellence Through Cultural Adaptation highlighted the critical role of leadership and organizational behavior.

2025 Global Conference on Process Safety and Big Data

The 2025 Global Conference on Process Safety and Big Data commemorates the event's 10th anniversary. The conference drew over 120 participants from more than 60 companies globally, once again underscoring the significant momentum of digital transformation in process safety. Throughout the conference, keynote speakers, panelists, and presenters illustrated how AI, data analytics, and dynamic risk modeling are swiftly evolving into practical tools that provide measurable safety advantages. Industry case studies highlighted remarkable advancements: real-time risk intelligence, live bowtie visualization, predictive maintenance, barrier management, methane leak detection, immersive training, and AI-enhanced HAZOP workflows. Additionally, speakers emphasized the necessity of strong engineering practices, ethical AI safeguards, and the importance of maintaining human intelligence in the decision-making process.

International Process Safety Day

In December 2025, CCPS, in partnership with four other leading Process Safety organizations, continued its initiative to enhance global awareness of Process Safety through the International Process Safety Day (IPSD). By working together, the five organizing bodies aim to improve process safety across diverse industries, ultimately striving for "A World without Process Safety Incidents."

The IPSD technical program encompassed a broad array of subjects, including Process Safety Management in Mining – Panel and Management of Change – How Effective is Your Process? The Power of Industry Collaboration. The recordings of the program will be available on demand to all at no charge until December 2026 via the event's virtual platform, vFairs. For further details, please visit aiche.org/ccps/ipsd.

2026 Meetings, Destinations and Global Offices

NORTH AMERICA

- **CCPS Governing Board Meeting**
April 9, 2026
Houston, TX (in person)
- **CCPS Spring Planning Board Meeting**
April 17, 2026
Houston, TX
- **22nd Global Congress on Process Safety**
April 12 - 16, 2026
Houston, TX
- **Spring Technical Steering Committee Dinner**
April 15, 2026
Houston, TX
- **Spring Technical Steering Committee Meeting**
April 16, 2026
Houston, TX
- **DIERS Spring Meeting**
April 29 - May 1, 2026
Virtual
- **CCPS Canada Regional Meeting**
September 10, 2026
Calgary, Canada (in person)
- **DIERS Fall Meeting**
October, 2026
Houston, TX (in person)
- **CCPS Fall TSC Meeting**
November 11 - 12, 2026
Houston, TX (in person)
- **Fall Planning Board Meeting**
November 12 - 13, 2026
Houston, TX (in person)

EUROPE

- **2026 Global Conference on Process Safety and Big Data**
September 15 - 16, 2026
Frankfurt, Germany (in person)
- **2026 CCPS Europe Regional Meeting**
September, 2026
Frankfurt, Germany (in person)

LATIN AMERICA

- **2026 CCPS Latin America Regional Meeting**
May 14 - 15, 2026
Santos, Brazil (in person)
- **11th Latin America Conference on Process Safety**
September 30 - October 2, 2026
Lima, Peru (in person)
- **2026 CCPS Latin America Regional Meeting**
September, 2026
Lima, Peru (in person)



GLOBAL TECHNICAL STEERING COMMITTEE WEB MEETINGS

- **Virtual TSC Meeting** – February 18, 2026
- **Virtual TSC Meeting** – June 24, 2026
- **Virtual TSC Meeting** – September 23, 2026

All virtual meetings are from 10:00am-12:00pm ET

CCPS LOCATIONS

- New York, NY
- Houston, TX
- Frankfurt, Germany
- Mumbai, India

The above plans are preliminary and the events are subject to change.

Look for upcoming events on our website — aiche.org/ccps

Organizational Structure

Technical Steering Committee (TSC)

The Technical Steering Committee (TSC) is the main body of CCPS, with at least one representative from each CCPS member company. The key functions of the TSC are to assist the CCPS Executive Director & CEO in:

- Developing an overall multi-year program for CCPS
- Defining the priorities for project selection
- Selecting specific projects for CCPS

- Defining and reviewing the scope for these specific projects
- Suggesting membership for the project subcommittees
- Reviewing the status of project programs

The CCPS Technical Steering Committee meets in person two times a year and by web conference two to three times a year.

CCPS Governance

Activities are monitored and directed by the:

- Governing Board
- Planning Board
- Technical Steering Committee

Additionally, members of the Technical Steering Committee and other member company representatives serve on subcommittees that oversee CCPS projects.

The CCPS Governing Board members include the Executive Director & CEO of AIChE, the AIChE Board Treasurer, two AIChE Board Directors, the CCPS Executive Director & CEO, the CCPS Planning Board Chair as an ex-officio member, and select CCPS member representatives. The Chair of the Governing Board is the Executive Director & CEO of CCPS. The Governing Board shall meet once a year. Special meetings of the Governing Board may be called at any time by any three Members of the Governing Board.

The Governing Board will be responsible for:

- Developing the strategy for CCPS
- Long-term planning
- Approving CCPS project ballots (as selected by the Technical Steering Committee)

The Planning Board is responsible for evaluating opportunities and gaps in CCPS programs relative to its strategy and generating potential initiatives to address them.



■ 2025 Fall Technical Steering Committee Meeting

2025 CCPS Governing Board Members

Yvette Baxter-Drayton, BP
Michelle Roberson, Shell
Sulaiman Al Seiari, ADNOC
Khaled KAA Alalyani, SABIC
Timothy Guglielmello, ExxonMobil
Zamri B Japar, PETRONAS [New]
Michelle Caveness, Eastman
Ana Davis, Eastman [AIChE BOD]
Anne O'Neal, Chevron [Retired]
David Parrillo, Dow [AIChE BOD]
Mike Snyder, Dekra

Yatendra Lodha, Reliance
Shawn Marsh, Evonik
Antonio Queiroz, Braskem
Jerry Forest, AIChE BOD
Victor Bohnert, AIChE
Shakeel Kadri, AIChE-CCPS [Chair]
Peter Dulik, BASF [New]
Fred Henselwood, NOVA [An ex-officio member]
Scott Meikle, Ecolab [Departing from GB]
Yong Sai Chung, PETRONAS [Departing from GB]

2025 CCPS Planning Board Members

Fred Henselwood, NOVA (Chair)
Chris Aiken, Cargill
Abdul Aldeeb, Siemens Energy
Todd Aukerman, LanXess Corporation
Jing Chen, CCPS
Jennifer Bitz, CCPS
Cheryl Grounds, Emeritus
Shakeel Kadri, CCPS
Kathy Kas, The Dow Chemical Company

Gregg Kiihne, BASF
Jennifer Mize, Eastman Chemical Company
Stephen Murphy, Syngenta
Masaki Nakagawa, Mitsubishi Chemical Corporation
Samantha Scruggs, Archaea Energy, a bp Company
Jatin Shah, BakerRisk
John Wincek, Dekra Process Safety
Elliot Wolf-Stokes, Solstice Advanced Materials



■ CCPS Planning Board

CCPS Staff



Shakeel Kadri
Executive Director &
CEO



Carmen H. Osorio Amado
Latin America Regional
Manager



Jennifer Bitz
Lead Process Safety Engineer /
Project Manager



Vishal Chavan
Asia Pacific
Project Manager



Jing Chen
Principal Engineering
Specialist



Umesh Dhake
Associate Director, CCPS
Asia, Oceania, and Africa
Regions



Michele Horwitz
Associate Director,
CCPS Membership



Willi Meier
European General Manager



Christa Pennino
Engineering Specialist



Bruce Vaughn
Lead Process Safety Subject
Matter Expert

Updates and Impact

The *Doing a World of Good* campaign funds several priorities that are transforming the profession and the world around us, including the Undergraduate Process Safety Learning Initiative (UPSLI).

WHERE WE ARE TODAY

 **361,846**

SAFETY CERTIFICATES
AWARDED TO STUDENTS
WORLDWIDE

 **92,897**

STUDENTS
COMPLETED SACHE
MODULES WORLDWIDE

 **1,020**

FACULTY
MEMBERS
EDUCATED IN
PROCESS SAFETY

(Statistics as of December 2025)

FOUNDERS' CIRCLE

Changemaker

\$5M and up



Visionaries

\$2M - \$4,999,999



Benefactors

\$750,000 - \$1,999,999



Underwriter

\$500,000 - \$749,999



Patrons

\$250,000 - \$499,999



An Agricultural
Sciences Company



*Founders' Circle as of January 2025

To learn more, visit DoingaWorldofGood.org

Thank you to the AIChE Foundation which celebrates a decade of Doing a World of Good in 2025. They, along with many corporate investments brought to life the CCPS Faculty Workshop and Student Bootcamp programs in 2025. These programs are a gateway to students successfully learning about Process Safety and for professors to teach Process Safety at their institutions. These programs have been held both in the USA and internationally. To learn about advancing Safety & Ethical Process through the AIChE Foundation and support the professional development of students and professors, please contact Natalie Krauser at natak@aiche.org.



2026 Global CCPS Members*

3M Company	Brunei Fertilizer Industries Sdn Bhd (BFI)	ENAP	Jensen Hughes Inc	Pan American Energy LLC	SIS-Tech Solutions
ABASTIBLE S.A.	Brunei-Methanol Company	ENEOS Corporation	Johnson & Johnson	Par Health	SLB
ABIQIM - Associação Brasileira da Indústria Química	Buckeye Partners, LP	Energy Transfer LP	Jordan Engineers Association	PCS PTE Ltd	Solstice Advanced Materials
ABS Group	Buckman North America	Engineers India Limited	Kaypear Engineering LLP	PECOM SERVICIOS ENERGIA S.A.U	Solvay Chemicals Inc.
AC&S Inc	Bunge	Engro Polymer & Chemical Ltd	Kenvue	Pengerang Petrochemical Company Sdn. Bhd. (PREFCHEM)	Solventum
Acelen	Burns and McDonnell	EQUATE Petrochemical Company	Kindeva Drug Delivery	Petrobras	Sotera Health
AcuTech Consulting Group	BYK USA Inc	Ergon Inc.	King Industries Inc.	Petronas	Southern Company Services, Inc
ADAMA Agricultural Solutions	Cabinda Oil Refinery, LDA	Evonik Corporation	Koch Industries	PetroSafe	Starr Technical Risks Agency Inc
Aditya Birla Management Corp. Pvt. Ltd.	CAMBREX	Exida	Korea Gas Safety Corporation	Pfizer	Stepan Company
ADNOC	Canadian Natural Resources, Ltd. (CNRL)	Exponent Inc	Kraton Corporation	Phillips 66	Sterling Pharma Solutions Ltd
AdvanSix	Cargill	ExxonMobil Chemical Co	Kuraray America Inc	Phoenix Park Gas Processors Ltd (PPGPL)	Superform Chemistries Limited (formerly UPL LTD)
aeSolutions	Celanese Chemicals	Fatima Fertilizer Company Limited	Kuwait Oil Company (KOC)	PI Industries Ltd.	Syensq
Air Liquide Americas	Cenovus	Fauji Fertilizer Company Limited (FFC)	LanXess	Piramal Pharma Limited	Syngene International Ltd.
Air Products & Chemicals Inc	CF Industries Inc	Fauji Fertilizer Company, Islamabad Site	Larsen & Toubro Ltd.	Pluspetrol S.A.	Syngenta
Albemarle Corporation	Chemtrade Logistics	FFBL Power Company Ltd	LDC	Point Lisas Nitrogen Limited	Taiyo Oil Company, Limited
Alkermes	Cheniere	Finolex Industries Ltd	Linde PLC	PPG	Tata Steel Ltd
Ambatovy	Chevron Corporation	Fluor Corporation	Lotto Biologics	Primient	TC Energy
American Refining Group, Inc	Chevron Phillips Chemical Company LP	FM Global	Lubrizol Corporation	Process Improvement Institute, Inc (PIII)	Teck Resources
Americas Styrenics (AMSTY)	China Chemical Safety Association	FMC Corporation	LyondellBasell	Process Safety Core Consulting, LLC	Teijin Aramid B.V.
Amgen	Cholamandalam MS Risk Services	Formosa Plastics Corporation	Map Ta Phut Tank Terminal	Process Safety Initiative of Nigeria (PSIN)	Telluride Engineering
Anglo American PLC	CNX Resources	FutureFuel Chemical Co	Massy Energy Engineered Solutions	Pryxida Tech	TEMA
Anupam Rasayan India Limited	COFCO International	Galaxy Surfactants Limited	Merck & Company, Inc.	PSRG Inc.	The Chemours Company, FC, LLC
AON Energy Risk Engineering	Contra Costa Health Services	Gateway Consulting Group, Inc.	Merck Kga, Darmstadt Germany (EMD GROUP)	QAPCO	The Mosaic Company
Aperam Inox America	Corden Pharma Colorado	GeoPark	Michelman Inc	Qatar Energy	The Shepherd Chemical Company
Do Sul SA	Corteva Agriscience	Gerdau Acos Longos SA	Micron Technology, Inc.	Qatar Energy LNG	The Sherwin-Williams Company
ArcelorMittal	Cosmo Oil Co Ltd	Givaudan International SA	Mitsubishi Chemical Corporation	Qatar Fertiliser Company QAFCO	Thermo Fisher Scientific
Archer Daniels Midland (ADM)	Covestro LLC	Global Industrial Safety Solutions Ltd	Moeve	Qing Dao OASIS	Totalenergies Petrochemicals & Refining USA, Inc.
Arkema Inc	CP Kelco	Globorise Technologies LLC	Multichem	Qnity Electronics	TPC
ARLANXEO	Croda	Grace	National Grid	Reliance Industries Ltd (RIL)	Trans-Northern Pipelines Inc
ARPEL	Crystal Clean	Group 14 Technologies Inc.	Navin Fluorine International Limited	REPSOL	Transpetro
Arq, Inc.	DASIS Corp	Guandong Dapeng LNG	International Limited	Rextac, LLC	Transportadora Associada De Gas SA - TAG
Ash Stevens	Deccan Fine Chemicals (I) Pvt Ltd	Gulf Petrochemical Industries Co	Nayara Energy Limited	Rio Tinto	Trinseo LLC
Ashland	Deepak Phenolics Limited	Helwan Fertilizers Co	Neuland Laboratories Ltd	SABIC (USA)	Tronox Holdings PLC
Asian Paints Ltd.	DEKRA	Hengyuan Refining Company Berhad	NEWMONT	Sadara Chemical Co	TUV Rheinland Taiwan Ltd.
Astron Energy	DNV	Heritage Petroleum	Nghi Son Refinery and Petrochemical LLC (NSRP)	Safety Triad Consultoria e Engenharia Ltda	Uc2c.Ai Inc
ATCO Next Energy	DOOC SA	Honeywell	Noramco	Sahara International Petrochemical Company (SIPCHEM)	UNIPHOS Colombia Plant Limited
Aurorium (FKA: Vertellus LLC)	Dorf Ketal Chemicals (I) Pvt Ltd	Dover Chemical Corporation	NOVA Chemicals Corporation	Saudi Arabian Mining Company (MA'ADEN)	Unwin Company
Avantor Sciences	Dow Chemical Company	Hunt LNG	Numerical Advisory Solutions	Saudi Aramco Oil Company	USIMINAS
Axalta Coating Systems	DSS Sustainable Solutions Switzerland, SA	Huntsman	Nutrien	Seaboard Energy	VALE
Baker Hughes, Inc.	Dujodwala Resins & Terpenes Ltd	Idemitsu Kosan Co. Ltd	Occidental Petroleum Corporation (Occidental 'Oxy')	Shell	Wacker Chemical Corp
BakerRisk	DuPont	IESCO Group	Oil Industry Safety Directorate (OISD)	Shenyang Research Institute of Chemical Industry Co., Ltd.	Wanhua Chemical Group Co.,Ltd
BAPCO Refining B.S.C	Eastman Chemical Company	IFF International Flavors & Fragrances Inc.	Oleoducto Central S.A. (a/k/a Ocensa)	Shepard Chemical Corp.	Wesfarmers Chemicals Energy & Fertilisers
BASF Corporation	Ecolab	India Glycols Limited (Chemical Segment)	Oleoducto De Colombia	SHOWA YOKKAICHI SEKIYU CO.,LTD	Western Midstream Partners
Bayer Corporation	Ecopetrol	Indian Oil Corporation Limited (IOC)	Olin Corporation	SI Group	WhyComm
Bazan Group	Ecovyst Catalyst Technologies, Inc.	Indovinya / Indorama	Optima Chemical Group, LLC	Siemens Energy Inc	Woodside Energy Ltd.
Beijing Strong Information System Co Ltd	Elanco Animal Health	Industry Risk Control, Ltd	OQ (OQGN & OQEP)	Sila Nanotechnologies	Yara Trinidad Ltd
Berkshire Hathaway Specialty Insurance	Eli Lilly & Company	Ingenerico Inc.	Orion Energy	SimTech (Beijing) Software Technologies Co., Ltd	Yashashvi Rasayan PVT, LTD.
Best Value Chem Pvt Ltd	Emerald Energy PLC	Ingevity Corp.	OXIQUIM S.A.	YPF S.A. - Yacimientos Petrolíferos Fiscales	
BP Corp North America	Sucursal Colombia	Intel Corporation			
Braskem	Emerson Automation Solutions	ioMosaic Corporation			
Brinsa S.A.	Empirisys Ltd.	IRESC Inc			
Bristol-Myers Squibb Company	James Finlay Limited	James Finlay Limited			

*Member list current as of January 2026



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