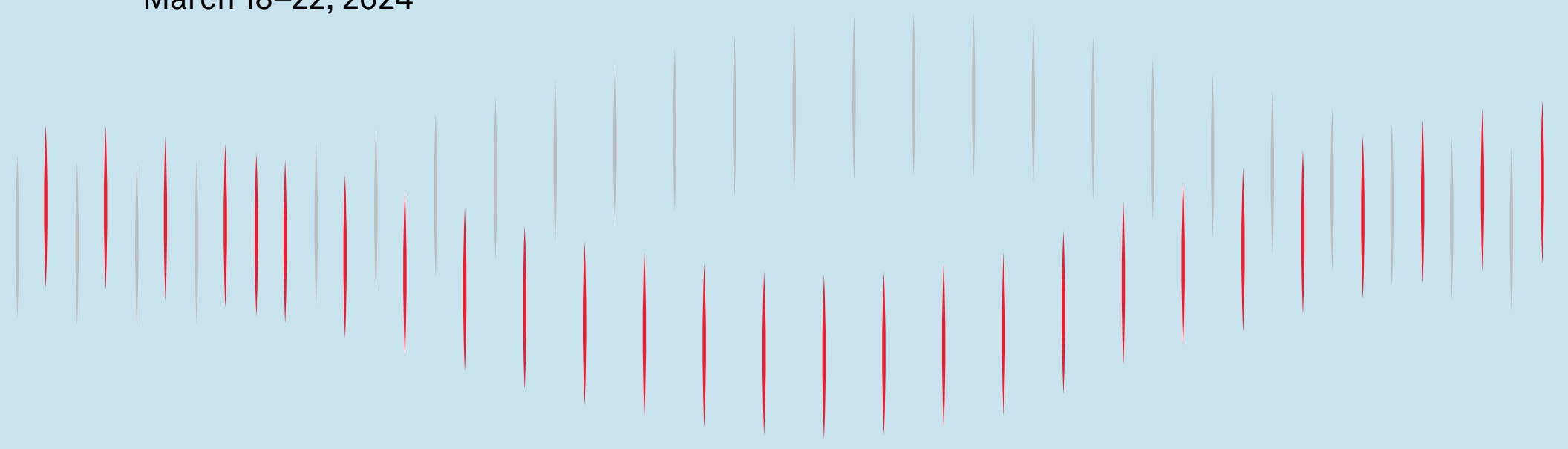


CERAWeek[®]
by S&P Global

Multidimensional Energy Transition: Markets, climate, technology and geopolitics

CERAWeek in Review

March 18–22, 2024



CERAWeek by S&P Global convened more than 10,000 participants from around the world to explore the strategies for an energy world undergoing rapid transformation, addressing our 2024 theme “Multidimensional Energy Transition: Markets, climate, technology and geopolitics.”

Further complicating the picture are issues ranging from rising geopolitical and economic uncertainties to new supply chains for net zero, energy market volatility, accelerating technological change and AI, the “capital transition,” increasing demand for hydrocarbons and electric power, and the intensifying climate and sustainability agenda. All these raise critical questions about whether the energy transition will be orderly and balanced or disruptive and chaotic? Energy security is once again an urgent consideration. How will strategies, policies, investments and the competitive landscape be reshaped? What new collaborations and business models will emerge? How will industry, government and civil society respond? Will innovation deliver and scale, and at what pace?

CERAWeek added two formats to participate in strategic thinking and knowledge sharing with the introduction of Strategic Roundtable plenaries and the Expert Zone for interactive dialogues with S&P Global experts. CERAWeek also provides Professional Development Programs and Women in Energy Special Programs.

The Innovation Agora by CERAWeek explores innovation and technology solutions in a variety of formats. These include Studios and Voices of Innovation offering close-up dialogue with thought leaders on a broad range of topics. Meanwhile our topical Hydrogen, Carbon and Climate Hubs provide dedicated forums for leadership dialogues.

We offer thanks to our Partners for their collaboration and commitment to CERAWeek and its mission. We are grateful to our speakers and participants for their engagement—and their contributions to making CERAWeek a unique and valuable gathering of the world energy community.

Sincerely,



Daniel Yergin
CERAWeek Chair;
Vice Chairman, S&P Global




Jamey Rosenfield
CERAWeek Founder, Co-Chair;
Senior Advisor, S&P Global



Louis Carranza
Managing Director,
Head of CERAWeek, S&P Global

CERAWeek 2024 Highlights

Speakers

 **1,400+**
Speakers
from **50** countries

 **80**
Ministers & Top Officials
from **25** countries

 **275+**
Women Speakers

 **450**
C-Suite Executives


 **250**
Startups

Program

 **650+**
Sessions

 **50+**
Partner Forums & Summits

 **12**
S&P Global Expert Zones

 **3**
Book Signings

 **214**
Agora Pods

 **51**
Lyceum Labs

 **8**
Agora Houses

Community

 **10,000+**
Participants


 **2,650+**
Agora Pass Holders

 **400**
Government & Regulatory
Officials

 **2,500+**
Women Participants

 **80**
Countries

 **112**
Partners

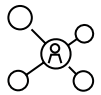
 **2,050+**
Companies

Highlights

Impact



1b+
Total Views



50k+
Followers



40
Recap Videos



Amplification Program
Partners & VIPs



325+
Accredited Global Journalists Onsite



10
Newsmaker Press Conferences

CERAWeek Leadership

CERAWeek 2024 Steering Committee

Daniel Yergin, CERAWeek Chair & Vice Chairman, S&P Global

Jamey Rosenfield, CERAWeek Founder & Co-Chair and Senior Advisor, S&P Global

Louis Carranza, Managing Director & Head, CERAWeek, S&P Global

Atul Arya, SVP & Global Energy Strategist, S&P Global

Roger Diwan, VP, S&P Global Commodity Insights

Carlos Pascual, SVP, Global Energy and International Affairs, S&P Global

Richard Slucher, VP, CERAWeek, S&P Global

CERAWeek 2024 Management Team

Louis Carranza, Managing Director & Head, CERAWeek

Roger Diwan, VP, Content

Ken Downey, Executive Director, Innovation Agora

Amy Elam, Head, Partner Programs

Murray Fisher, Director, Strategic Development, CERAWeek, S&P Global

Martha O'Connor, Executive Director, Partnerships

Richard Slucher, VP, Executive Conference Program

Erika Smakula, Executive Director, Experience

“The industry’s most influential annual conference”

– TIME Magazine



Daniel Yergin (Chair), CERAWEEK Chair; Vice Chairman, S&P Global and **Bill Gates**, Founder, Breakthrough Energy and TerraPower



Hon. Jennifer M. Granholm,
U.S. Secretary of Energy



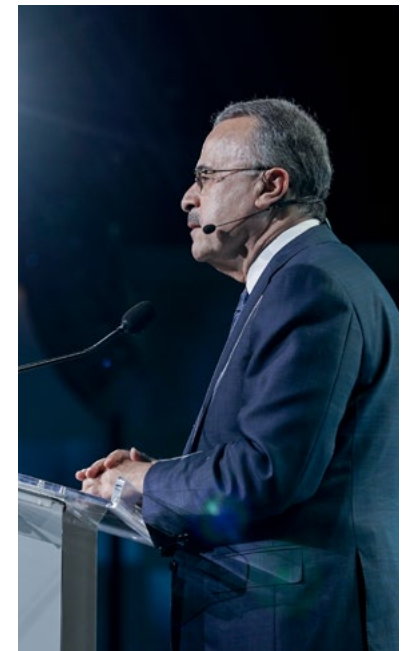
Douglas Peterson, President & CEO,
S&P Global and **Julie Sweet**, Chair &
CEO, Accenture



John Ketchum, Chairman, President &
CEO, NextEra Energy



Darren Woods, Chairman & CEO,
Exxon Mobil Corporation



Amin H. Nasser, President & CEO,
Saudi Aramco



Mike Wirth, Chairman of the Board & CEO, Chevron Corporation



Atul Arya (Chair), SVP & Chief Energy Strategist, S&P Global Commodity Insights; **Anders Opedal**, President & CEO, Equinor; **Nicke Widayawati**, President Director & CEO, Pertamina; **Greg Ebel**, President & CEO, Enbridge; and **Sanjiv Lamba**, CEO & Member of the Board of Directors, Linde



Dong Zhao, Board Director & President, Sinopec Group



Hon. Joe Manchin, Chairman, U.S. Senate Energy and Natural Resources Committee, United States Senator, West Virginia



John Podesta, Senior Advisor to President Joe Biden for International Climate Policy, The White House



Scott Guthrie, EVP, Cloud + AI, Microsoft and **Vicki Hollub**, President & CEO, Oxy

“The energy transition will be complex, unfolding in different regions with different time horizons with different technologies and with different priorities among governments, companies and consumers.”

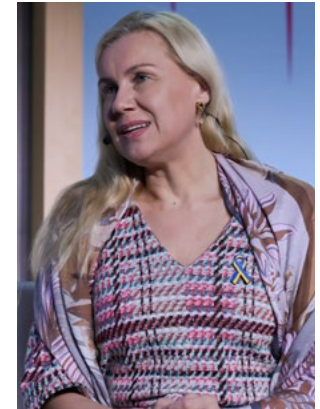
– Daniel Yergin, CERAWeek Chair; Vice Chairman, S&P Global

“In this transition investment in clean technology is private sector led, government enabled.”

– Hon. Jennifer M. Granholm, Secretary of Energy, United States Department of Energy



Chris Womack, Chairman, President & CEO, Southern Company; **Claudio Facchin**, CEO, Hitachi Energy; and **John Pettigrew**, CEO, National Grid



Kadri Simson, Commissioner for Energy, European Commission



Hon. Alexandre Silveira, Minister of Mines and Energy, Ministry of Mines and Energy, Brazil and **Elnur Soltanov**, CEO, COP29, and Deputy Minister of Energy, Ministry of Energy, Republic of Azerbaijan



Rt. Hon. Obongemem Ekperikpe Ekpo, Minister of State, Petroleum Resources (Gas), Federal Ministry of Petroleum Resources, Nigeria; **H.E. Dr. Matthew Opoku Prempeh**, Minister of Energy, Ministry of Energy, Ghana; and **H.E. José Barroso**, Secretary of State, Ministério dos Recursos Minerais, Petróleo e Gás, Angola



Shin Hosaka, Vice-Minister for International Affairs, Ministry of Economy, Trade and Industry (METI), Japan; **Richard G. Newell**, President & CEO, Resources for the Future (RFF); **Tutuka Ariadji**, Director General of Oil & Gas, Ministry of Energy and Mineral Resources, Government of Indonesia; and **Pallavi Jain Govil**, Director General, Directorate General of Hydrocarbons, Ministry of Petroleum and Natural Gas, Government of India



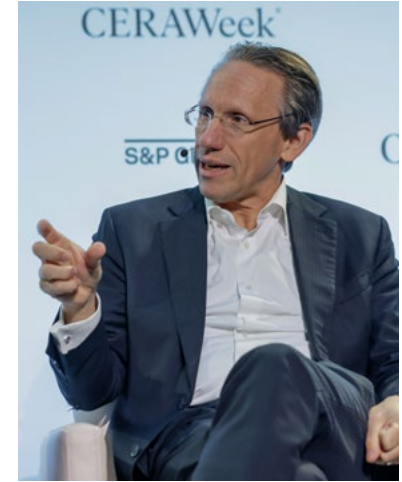
Hon. John Kerry, 68th United States Secretary of State and former Special Presidential Envoy for Climate, United States Department of State



Hon. Mike Dunleavy, Governor, Alaska



Hon. Danielle Smith, Premier of Alberta, Government of Alberta, Canada



Jörg Kukies, State Secretary, Federal Chancellery, Germany

Ministers and Government Officials *(partial list)*

Hon. Andrea Arbo, Minister of Energy and Mines, Ecuador

H.E. Former President Iván Duque, Former President, Colombia

Hon. Pierre Fitzgibbon, Minister of Economy, Innovation and Energy, Government of Québec, Canada

Jimmy Glotfelty, Commissioner, Public Utility Commission of Texas

Doreen Harris, President & CEO, New York State Energy Research and Development Authority (NYSERDA)

Yuya Hasegawa, Director of Energy Resources Development Division, Ministry of Economy, Trade and Industry, Japan

Chan Ki Park, Director General for Hydrogen Economy Policy, Ministry of Trade, Industry and Energy, Republic of Korea

Stuart Payne, Chief Executive, North Sea Transition Authority

Philipp Steinberg, Director General for Economic Stabilisation, Energy Security, Gas, Hydrogen Infrastructure, Federal Ministry for Economic Affairs and Climate Action, Germany

Torgeir Stordal, Director General, Norwegian Offshore Directorate

Olu Verheijen, Special Adviser on Energy to President Bola Ahmed Tinubu, Office of the President of the Federal Republic of Nigeria

Emmanuelle Wargon, President, Commission de régulation de l'énergie, France

Hon. John Whitmire, Mayor, City of Houston, Texas, United States

Hon. Stuart R. Young, Minister of Energy and Energy Industries, Ministry of Energy and Energy Industries, Government of the Republic of Trinidad and Tobago



Bob Dudley, Chairman, Oil and Gas Climate Initiative (OGCI)



Saugata Saha, President, S&P Global Commodity Insights



Patrick Pouyanné, Chairman of the Board & CEO, TotalEnergies



Murray Auchincloss, CEO, bp plc



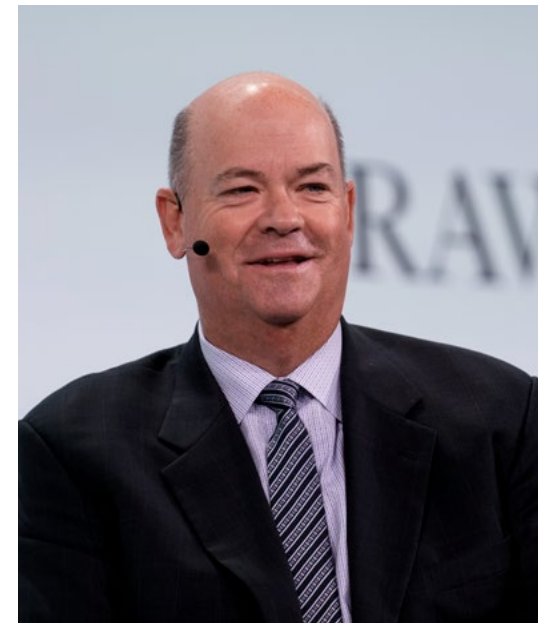
Claudio Descalzi, CEO, Eni and **Olivier Le Peuch**, CEO, SLB



Wael Sawan, CEO, Shell



Vicki Hollub, President & CEO, Oxy



Ryan Lance, Chairman & CEO, ConocoPhillips



Shaikh Nawaf Al-Sabah, Deputy Chairman & CEO, Kuwait Petroleum Corporation



Jim Fitterling, Chair & CEO, Dow



Mele Kyari, Group CEO, NNPC Ltd.



Meg O'Neil, CEO & Managing Director, Woodside Energy



Lorenzo Simonelli, Chairman & CEO, Baker Hughes



Anders Opedal, President & CEO, Equinor



John Hess, CEO, Hess Corporation

“The Super Bowl of the Energy Industry”
– CNBC

Power & Renewables



Mohamed Jameel Al Ramahi, CEO, Masdar; **Andrés Gluski**, President & CEO, AES Corporation; and **Dan Brouillette**, Former U.S. Secretary of Energy and President & CEO, Edison Electric Institute



Patricia Collawn, Chairman & CEO, PNM Resources, Inc.



Maria Pope, President & CEO, Portland General Electric



Pedro J. Pizarro, President & CEO, Edison International and Chair, Edison Electric Institute (EEI) and **Deron McElroy**, Chief of Cybersecurity, Cybersecurity and Infrastructure Security Agency, U.S. Department of Homeland Security



Robert Blue, Chair, President & CEO, Dominion Energy; **Markus Krebber**, CEO, RWE AG; and **Larry Coben**, Chairman, Interim President & CEO, NRG Energy

“How are we going to meet this demand? More of the same won’t get us to this tripling of capacity.”

– Andrés Gluski, President & CEO, AES Corporation



Martina Cheung (Chair), President, S&P Global Ratings, S&P Global; **Kathleen Ash**, President & CEO, Denbury, Inc., ExxonMobil; **Evelyn N. Wang**, Director, Advanced Research Projects Agency-Energy (ARPA-E), U.S. Department of Energy; **Leanne Todd**, Head of Upstream & Commodity Insights Advisory, S&P Global; and **H.E. Dr. Amani Abou-Zeid**, Commissioner for Infrastructure, Energy & Digitalisation, African Union



Catherine MacGregor, CEO, Engie SA



Hunter Hunt, Chairman & CEO, Hunt Energy, LLC



Farid Al Awlaqi, CEO, Generation, TAQA



Yukio Kani, Global CEO and Chair, JERA Co., Inc.

Speakers

Anthony Allard, EVP, North America, Hitachi Energy

Irlan Amir, Geothermal Director, SLB

Manu Asthana, President & CEO, PJM Interconnection

Matthew Babin, Global Head of Energy and Natural Resources, Palantir

İhsan Erbil Bayçöl, CEO, Enerjisa Üretim

Guido Brusco, COO, Natural Resources, Eni

Michael Bryson, SVP, Operations, PJM Interconnection

Bernerd Da Santos, EVP & President, Renewables, AES Corporation

Chris Dartnell, SVP, Power Systems, Schneider Electric

Andrew Flanagan, CEO, RWE Clean Energy, LLC

Maynard Holt, Founder & CEO, Veriten

Maria Korsnick, President & CEO, Nuclear Energy Institute

Danielle Merfeld, CTO, Hanwha Qcells

Bill Newsom, President & CEO, Mitsubishi Power Americas, Inc.

Anders Opedal, President & CEO, Equinor

Steve O'Rourke, CEO, JERA Americas Inc.

John Pettigrew, CEO, National Grid

Wen-Bin Qian, VP, APAC Clean Hydrogen, Linde

Dev Sanyal, CEO, VARO Energy Group

Ashley Smith, CTIO, AES Corporation

Miguel Stilwell d'Andrade, CEO, EDP Renewables

Ben Wilson, Chief Strategy and Regulation Officer, National Grid

Climate, Clean Tech, Mobility & Mining



Richard Adkerson, Chairman of the Board & CEO, Freepport-McMoRan



Leanne Todd (Chair), Head of Upstream & Commodity Insights Advisory, S&P Global; **Bill Newsom**, President & CEO, Mitsubishi Power Americas, Inc.; **Lance Uggla**, Vice Chair, General Atlantic and Co-Founder, BeyondNetZero, General Atlantic; **Caspar Herzberg**, CEO, AVEVA; and **Paul Marsden**, President, Bechtel Energy, Bechtel



Sinead Kaufman, Chief Executive, Minerals, Rio Tinto; **Emily Olson**, Chief Sustainability & Corporate Affairs Officer, Vale Base Metals; and **Ailie MacAdam**, President Mining & Metals, Bechtel Corporation



Hajime Wakuda, President & Managing Director, Carbon Neutrality Promotion Headquarters, Japan Organization for Metals and Energy Security (JOGMEC)



Emma Delaney, EVP, customers & products, bp; **John Casesa**, Senior Managing Director, Guggenheim Securities; **Meg Gentle**, Executive Director of the Board, HIF Global; **Ricardo Mussa**, CEO, Raizen



Brandon Spencer, President, ABB Energy Industries, ABB Inc.



Christopher Smith, Chief Government Affairs Officer, Ford



Christian Bruch, President & CEO, Siemens Energy AG

Speakers

Jeffrey Benoit, VP, Clean Energy Solutions, PSM - a Hanwha Company

Viviana Coelho, Executive Manager, Climate Change, Petrobras

Bob Dudley, Chairman, Oil and Gas Climate Initiative (OGCI)

Sherri Evers, SVP Sustainability, Commercial Development and Product Solutions, Imperial

Tim Holt, Executive Board Member, Siemens Energy

Patrick Howarth, Lithium Global Business Manager, ExxonMobil

Mónica Jiménez, Chief Strategy, Sustainability and Legal Officer, GeoPark

Badar Khan, CEO & Director, EVGo

Jessica Monserrate, Head of Sustainability North America, BASF Corp.

Ricardo Mussa, CEO, Raizen

Alisa Newman Hood, EVP & General Counsel, Exceleerate Energy

Torgrim Reitan, EVP & CFO, Equinor ASA

Mauricio Tolmasquim, Chief Energy Transition and Sustainability Officer, Petrobras

Charlotte Wolff-Bye, VP & CSO, PETRONAS

“The energy industry’s flagship conference”

– Wall Street Journal



Louis Carranza, Managing Director, Head of CERAWeek, S&P Global and **Van Jones**, CNN host, best-selling author and social entrepreneur, Dream Machine Innovation Lab



Michael Smith, Chairman, CEO & Founder, Freeport LNG; **Alan Armstrong**, President & CEO, Williams; and **Toby Rice**, President & CEO, EQT Corporation

“You have the academics here, the policy people are here, the entrepreneurs are here. Legends are here.”

– Van Jones, CNN host, best-selling author and social entrepreneur, Dream Machine Innovation Lab



Marco Alverà, Co-Founder & CEO, TES (Tree Energy Solutions)



Jack Fusco, President & CEO, Cheniere Energy



Michael Stoppard (Chair), Chief Strategist Global Gas, S&P Global; **Steven Kobos**, President & CEO, Exceleerate Energy; **Michael Sabel**, CEO, Executive Co-Chairman & Founder, Venture Global LNG; and **Kevin Gallagher**, CEO & Managing Director, Santos



Tania Ortiz Mena, President, Sempra Infrastructure



Seifi Ghasemi, Chairman, President & CEO, Air Products



Cynthia Hansen, EVP and President, Gas Transmission and Midstream, Enbridge Inc.



Pierce Norton, President & CEO, ONEOK



Ernie Thrasher, Founder & CEO, Xcoal Energy & Resources and Founder, XLNG Energy & Resources

Speakers

Mohd Redhani bin Abdul Rahman, VP, Exploration, PETRONAS

Richard Adkerson, Chairman of the Board & CEO, Freeport-McMoRan

H.E. Mohamed Al Hammadi, Managing Director & CEO, Emirates Nuclear Energy Corporation

Musaab Al-Mulla, VP, Energy & Economic Insights, Saudi Aramco

Abdullah Al-Ossaimi, Manager Corporate Planning, Kuwait Integrated Petroleum Industries Company

Jeff Alvarez, President & General Manager, 1PointFive Sequestration & TerraLithium

John Ardill, VP, Global Exploration & New Ventures, ExxonMobil

Kathleen Ash, President & CEO, Denbury, Inc., ExxonMobil

Bart Cahir, SVP Upstream Unconventional, ExxonMobil

Peter Clarke, SVP - Global LNG, ExxonMobil International Limited

Cederic Cremers, EVP LNG, Shell International Exploration and Production B.V.

Kendall Dilling, President, Pathways Alliance

Bruce Dingeman, EVP & President Alaska, Santos

Micheal Dunn, EVP & COO, Williams

Greg Ebel, President & CEO, Enbridge

Jack Farley, EVP, Power, USA, HIF Global

Mark Gebbia, VP, Environmental, Regulatory & Permitting, Williams

Corey Grindal, EVP & COO, Cheniere Energy

Dan Holton, SVP, Low Carbon Solutions, Strategy, Products & New Assets, ExxonMobil

Martin Hupka, President - LNG & Net Zero, Sempra Infrastructure

Jason Klein, President & CEO, LNG Canada

Matt Kolesar, Chief Environmental Scientist, ExxonMobil

Cindy Lim, CEO, Infrastructure Division, Keppel Limited

Amber Russell, SVP refining, terminals & pipelines, production & operations, bp

Emily Shults, SVP, Development, Sempra Infrastructure

Oliver Simpson, EVP & CCO, Excelerate Energy

Akshay Kumar Singh, Managing Director & CEO, Petronet LNG Ltd.

Pamela Skaufel, VP, Procurement, ExxonMobil

Andrew Walker, VP, LNG Strategy & Communication, Cheniere

Abang Yusuf, SVP (LNG Assets), PETRONAS



Marcel van Poecke, Chairman of Energy,
The Carlyle Group



Daniel Yergin, CERAWEEK Chair; Vice Chairman, S&P Global; **Russell Hardy**, CEO, Vitol; **Liam Mallon**, President,
ExxonMobil Upstream Company, ExxonMobil



Jeremy Weir, Executive Chairman & CEO,
Trafigura Pte Ltd



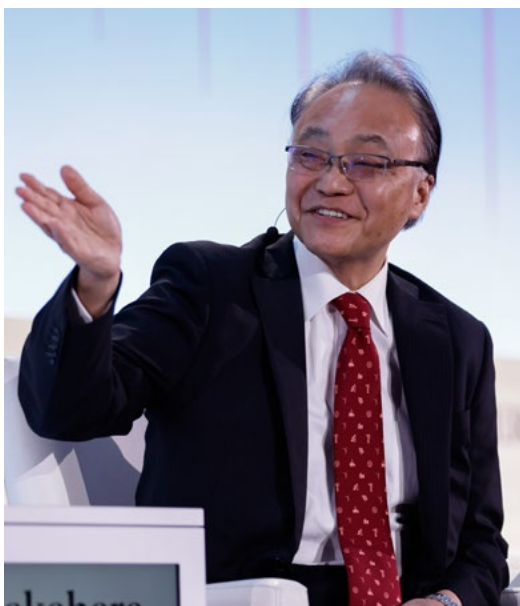
Helen Currie, Chief Economist, ConocoPhillips



Torbjörn Törnqvist, Co-Founder & Chairman,
Gunvor SA



Clio Crespy, Senior Managing Director, Guggenheim Securities



Toshiya Nakahara, President & CEO, JX Nippon Oil & Gas Exploration Corporation

Speakers

Benjamin Kweku Acolatse, Deputy CEO, Finance and Administration, Ghana National Petroleum Corporation

Karen Bomber, CCO, ABB Energy Industries, ABB Inc.

Gabriel Caillaux, Head of Climate, Co-President, Managing Director & Head of Business, EMEA, General Atlantic (UK) LLP

John Casesa, Senior Managing Director, Guggenheim Securities

Clive Christison, Head of Investments & Origination, Vitol

Michael Cohen, Chief U.S. economist & head of oil & refining, bp

Jeff Currie, Chief Strategy Officer, Energy Pathways, Carlyle

Adam Czyzewski, Chief Economist, ORLEN S.A.

Ben Daniel, Chief of Staff/Principal, Global Infrastructure Partners

Tim de Knecht, Manager Strategic Finance & Treasurer, Port of Rotterdam, Netherlands

Brendan Duval, Founder & CEO, Glenfarne Energy Transition

Gustavo Fernandez, Managing Director, CapricornOne SL

David Foley, Global Head of Blackstone Energy Transition Partners, Blackstone

Tyler Goodspeed, Chief Economist, ExxonMobil

Pooja Goyal, Partner & Chief Investment Officer, Carlyle Global Infrastructure, Carlyle

Geoff Houlton, SVP, Fundamental Analysis, Oxy

Mazuin Ismail, SVP, Downstream Business, PETRONAS

Andrew Jamieson, Co-Head, Clearlake Shipping

Ben Jones, Director, Operations Finance, Tennessee Valley Authority

Frederic Lasserre, Global Head of Research & Analysis, Gunvor Group

Sanjiv Lamba, CEO & Member of the Board of Directors, Linde

Bob Maguire, Managing Director - Partner, Carlyle International Energy Partners, The Carlyle Group

Dustin Meyer, SVP, Policy, Economics and Regulatory Affairs, American Petroleum Institute

Arjun Murti, Partner, Energy Macro and Policy, Veriten

Dickon Pinner, Head of Transition Capital, BlackRock

Saad Rahim, Chief Economist, Trafigura

Emma Russell, Principal, Argo Infrastructure Partners

Eduard Ruijs, Head of Energy Transition, Vitol

Guanghui Wang, General Manager, State Grid Energy Research Institute

Rob Wingo, EVP, Corporate Ventures, EQT Corporation

“Arguably the most important event of its kind”

– Bloomberg



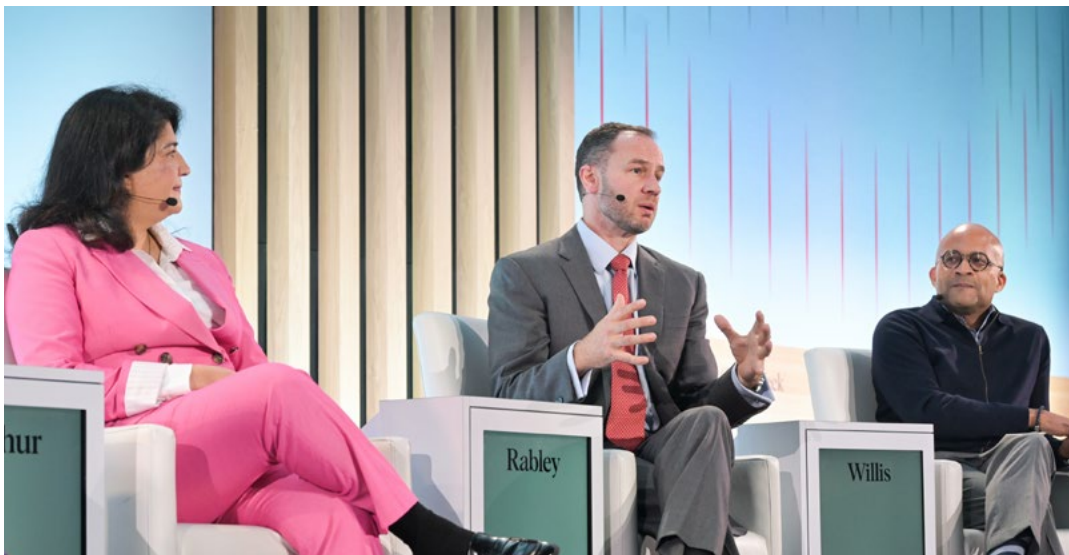
Paolo Rocca, President & CEO, Techint Group and **Daniel Yergin**, CERAWeek Chair; Vice Chairman, S&P Global



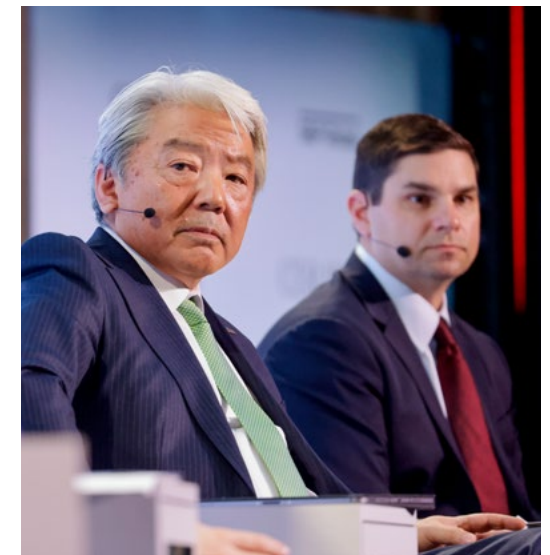
Chris Ashton, CEO, Worley



Vijay Swarup, Senior Director Climate Strategy and Technology, ExxonMobil



Pragati Mathur, Chief Digital and Information Officer, ConocoPhillips; **David Rabley**, Energy Transition and Sustainability Global Lead, Accenture; and **Darryl Willis**, Corporate VP, Energy & Resources Industry, Microsoft



Tak Ishikawa, President & CEO, Mitsubishi Heavy Industries America and **Richard Jackson**, President, U.S. Onshore Resources and Carbon Management Operations, Oxy



Luis Cabra, Executive Managing Director of Energy Transition, Technology, Institutional Affairs & Deputy CEO, Repsol



Marie-Noelle Semeria, CTO, TotalEnergies



Ashraf A. Al Ghazzawi, Executive VP, Strategy & Corporate Development, Saudi Aramco



Peter Terwiesch, President, Process Automation & Member of the Group Executive Committee, ABB Ltd.



Musabbeh Al Kaabi, Executive Director of Low Carbon Solutions & International Growth, Abu Dhabi National Oil Company (ADNOC)

Speakers

Alessandro Bresciani, SVP, Climate Technology Solutions, Baker Hughes

Rhea Hamilton, Managing Director, General Atlantic - BeyondNetZero

Hyung-Seog Kim, Head of Product and Technology Strategy, CTO, Hanwha Ocean

Laura Leonard, Group President, Technology Solutions, Worley

Laura Manson-Smith, Global Leader Organization Strategy Consulting, Korn Ferry

Rob McGreevy, Chief Product Officer, AVEVA Software LLC

Gavin Rennick, President, New Energy, SLB

Giuseppe Ricci, COO, Energy Evolution, Eni

Chad Zamarin, EVP, Corporate Strategic Development, Williams

“CERAWeek brings the energy world together and remains unprecedented in terms of reach and caliber.”

– CBC News (Canada)



Daniel Yergin, CERAWeek Chair; Vice Chairman, S&P Global and **Walter Isaacson**, author and Leonard Lauder Professor of American History and Values, Tulane University

Speakers

Gregory C. Allen, Director, Wadhvani Center for AI and Advanced Technologies, Center for Strategic and International Studies (CSIS)

Jason Bordoff, Founding Director, Center on Global Energy Policy, Columbia University's School of International and Public Affairs

Reginald DesRoches, President, Rice University

Ruquan Lu, President, CNPC Economics & Technology Research Institute

Joseph McMonigle, Secretary General, International Energy Forum (IEF)

Hiroyuki Mori, EVP, Japan Organization for Metals and Energy Security

Luz Stella Murgas, President, Colombian Natural Gas Association

Richard G. Newell, President & CEO, Resources for the Future (RFF)

Julien Perez, VP, Strategy and Policy, Oil and Gas Climate Initiative

Christof Rühl, Senior Research Scholar, Center on Global Energy Policy, Columbia University and Crystal Energy

Kori Schake, Senior Fellow and Director of Foreign and Defense Policy Studies, American Enterprise Institute (AEI)

Tatsuya Terazawa, Chairman & CEO, Institute of Energy Economics, Japan (IEEJ)



Atul Arya, CERAWeek Steering Committee, SVP & Global Energy Strategist, S&P Global



David G. Victor, Professor of Innovation and Public Policy, School of Global Policy and Strategy, University of California, San Diego (UCSD)



Dr. Ernest Moniz, Founder & CEO, Energy Futures Initiative; 13th U.S. Secretary of Energy; and Founding Director, MIT Energy Initiative (MITEI)



Chengyao Peng (Chair), Research & Analysis Director, S&P Global; **Lei Yang**, Vice Dean, Peking University; **David Sandalow**, Inaugural Fellow, Center on Global Energy Policy, Columbia University; and **Zhen Wang**, President, CNOOC Energy Economics Institute



Suzanne Maloney, VP & Director of the Foreign Policy Program, The Brookings Institution



Amb. David M. Satterfield, Director, Baker Institute for Public Policy; Special Envoy for Middle East Humanitarian Issues, Rice University



Jamey Rosenfield, CERAWeek Founder, Co-Chair & Senior Advisor, S&P Global and **Martina Cheung**, President, S&P Global Ratings, S&P Global

Energy Markets

Energy demand continues to grow globally, but what will be the balance between supply and demand, and how will markets and investment respond?



Oil Demand: How will it look in a decade? plenary with **Fred Forthuber**, President, Oxy Energy Services, Oxy; **Joseph McMonigle**, Secretary General, International Energy Forum (IEF); **Arjun Murti**, Partner, Energy Macro and Policy, Veriten; and **Jeff Currie**, Chief Strategy Officer of Energy Pathways, Carlyle



Dave Ernsberger, Head of Market Reporting & Trading Solutions, S&P Global Commodity Insights



Hydrogen: How to grow a market with **Seifi Ghasemi**, Chairman, President & CEO, Air Products; **Marco Alverà**, Co-Founder & CEO, TES (Tree Energy Solutions); **Shankari Srinivasan** (Chair), VP Global Lead of Gas, LNG and Hydrogen, S&P Global; **Xavier Chauvelle**, Low Carbon H2 Business Development Manager, TotalEnergies; and **David Crane**, Under Secretary for Infrastructure, United States Department of Energy



Spotlight | Global Gas: How markets are changing? with **Michael Stoppard** (Chair), Chief Strategist Global Gas, S&P Global; **Tania Ortiz Mena**, President, Sempra Infrastructure; **Colin Parfitt**, President, Midstream, Chevron; and **Richard Holtum**, Global Head of Gas, Power and Renewables, Trafigura

Energy Markets



How Will Carbon Markets Evolve? with **Hannah Hauman**, Global Head of Carbon Trading, Trafigura; **Riham ElGizy**, CEO, Regional Voluntary Carbon Market Company, Saudi Arabia; and **Marie-Louise du Bois**, Global Head of Carbon Pricing, Energy Transition, S&P Global Commodity Insights



Spotlight | Impact of the IRA on U.S. Electric Power with **Douglas Giuffre** (Chair), Executive Director, North American Power, S&P Global Commodity Insights; **Ben Wilson**, Chief Strategy and Regulation Officer, National Grid; **Jason Grumet**, CEO, American Clean Power Association (ACP); and **Andrew Flanagan**, CEO, RWE Clean Energy, LLC

Sessions included:

- Asian Gas: Delivering security of supply
- Electric Vehicle Penetration: Accelerating or braking?
- Energy Security in a Volatile World: The importance of markets
- Gas & LNG: Investing for the long term
- Global Coal: Affordability, energy security and sustainability
- Global Economy: Smooth or rough landing
- Global LNG: Sustaining growth in a world of uncertainty
- Hydrogen Hubs and Spokes: What will be the impact?
- Innovating the Energy Mix for Mobility
- Integration of Refining and Agriculture: How will these industries change together?
- Minerals and Mining: Meeting “energy transition demand”?
- Natural Gas for a Growing Global Economy
- Oil Markets in 2024-2025: Abundance or scarcity?
- Oil Demand: How will it look in a decade?
- Operating in Volatile Commodity Markets
- Spotlight | Global Gas: How markets are changing
- Spotlight | The Dual Challenge: More energy and lower emissions
- Supplying the Minerals for the Energy Future
- Surging Demand: The Texas power breakfast
- The Future of Coal
- The Future of Transportation: Molecules and electrons

Policy and Geopolitics

Energy security is back on the agenda. Geopolitics are stoking uncertainty across global markets. Great power competition is intensifying. How can companies navigate the new, more challenging world of geopolitics?

Sessions included:

- Africa's Energy Future: Access, investment and sustainability
- America and the World: The new map of geopolitics
- Big Infrastructure: Executing amid challenges
- China's Energy Future: Balancing a multidimensional transformation
- Developing Resources that Support a Just Transition
- Infrastructure: Surmounting the permitting barrier?
- Re-powering Europe: Policy and markets
- Spotlight | Africa's Energy Future: Opportunities and Constraints
- Spotlight | Europe, Ukraine and Russia: What lies ahead for politics and energy?
- Spotlight | Latin America Energy: Choices and new directions
- Spotlight | New Geopolitics of the Middle East
- Spotlight | Policy Choices for Energy Transition
- The IRA: How it changes the U.S. energy system
- U.S. Politics in an Election Year



Energy: The impact of competition and rivalries in a multipolar world with **Amos Hochstein**, Senior Advisor to the President for Energy and Investment, The White House; **Catherine MacGregor**, CEO, Engie SA; and **Kadri Simson**, Commissioner for Energy, European Commission



Hon. Daniel Sullivan, United States Senator, Alaska



Douglas Peterson, President & CEO, S&P Global

Policy and Geopolitics



Spotlight | Asia Green Growth Partnership Ministerial with **Shin Hosaka**, Vice-Minister for International Affairs, Ministry of Economy, Trade and Industry (METI), Japan; **Richard G. Newell**, President & CEO, Resources for the Future (RFF); **Tutuka Ariadji**, Director General of Oil & Gas, Ministry of Energy and Mineral Resources, Government of Indonesia; and **Pallavi Jain Govil**, Director General, Directorate General of Hydrocarbons, Ministry of Petroleum and Natural Gas, Government of India



Spotlight | U.S. Energy Policy in an Election Year with **Karen Harbert**, President & CEO, American Gas Association (AGA); **Maria Korsnick**, President & CEO, Nuclear Energy Institute; **Mike Sommers**, President & CEO, American Petroleum Institute (API); and **Dan Brouillette**, Former United States Secretary of Energy, President & CEO, Edison Electric Institute



Strategic Roundtable | Bridging the North-South Divide



Dinner & Dialogue | Geopolitics: How risky the global order?
Pictured above **Angela Stent**, Senior Fellow, Brookings

Company Strategies

How will businesses continue to adapt and transform to meet the needs of customers, reliability of supply and the energy transition?

Sessions included:

- How to Make Net Zero Happen?
- Making Money while Decarbonizing: Challenge for power markets
- Managing Carbon Projects: Lessons and solutions
- Strategies for U.S. Natural Gas
- The Global Energy Company



Adam Kansler, President, S&P Global Market Intelligence



Making Strategic Choices in a Time of Change.
Pictured above **Laura Manson-Smith**, Global Leader Organization Strategy Consulting, Korn Ferry



Energy Companies of the Future with **Anders Opedal**, President & CEO, Equinor; **Nicke Widyawati**, President Director & CEO, Pertamina; **Greg Ebel**, President & CEO, Enbridge; and **Sanjiv Lamba**, CEO & Member of the Board of Directors, Linde

Company Strategies



Strategic Choices in a Net Zero World with **Saugata Saha** (Chair), President, S&P Global; **Liza Mustapha**, EVP & Group CFO, PETRONAS; **Jean Paul Prates**, CEO, Petrobras; and **Meg O'Neill**, CEO & Managing Director, Woodside Energy



Downstream Strategies: Adapting to a shifting demand landscape. Pictured above **Amber Russell**, SVP Refining, Terminals & Pipelines, Production & Operations, bp



What Are the Choices for Upstream Strategies? Pictured above **Kendall Dilling**, President, Pathways Alliance



Downstream Strategies: Adapting to a shifting demand landscape. Pictured above **Xianguang Yuan**, Deputy Managing Director, R&D, Sinopec

Power Markets in Transition

How can the power sector continue to decarbonize while maintaining reliability? How much faster will electricity demand grow with the myriad of new demand drivers such as AI and data centers, electric vehicles and heat pumps?

Sessions included:

- Catching Up: Meeting the challenge of power demand growth
- Co-Location: The new duo of power generation and storage
- Financial Prospects for Renewable Power: Will markets support returns?
- How to Assure Power System Flexibility
- Making Money while Decarbonizing: Challenge for power markets
- Meeting the Growing Power Needs of the Global South
- Power Market Design: The price of reliability and resilience
- Tripling Renewables by 2030: How to get there?
- Turning Points: What's ahead for Latin American power markets?



Tripling Renewables by 2030: How to get there? with **Mohamed Jameel Al Ramahi**, CEO, Masdar; **Andrés Gluski**, President & CEO, AES Corporation; and **Dan Brouillette**, Former United States Secretary of Energy, President & CEO, Edison Electric Institute



Nuclear Renaissance. Pictured above **James Schaefer**, Senior Managing Director, Guggenheim Securities LLC



Re-powering Europe: Policy and markets. Pictured above **Anne-Laure de Chamnard**, Member of the Executive Board, Siemens Energy

Power Markets in Transition



Power Market Design: The price of reliability and resilience with **Maria Pope**, President & CEO, Portland General Electric; **Manu Asthana**, President & CEO, PJM Interconnection; and **Chuck Farmer**, Chief Energy Transition Officer & VP, Planning, Conservation and Resource Adequacy, Independent Electricity System Operator



Building the (Big) Grid of the Future with **Philippe Frangules** (Chair), SVP, S&P Global; **Chris Womack**, Chairman, President & CEO, Southern Company; **Claudio Facchin**, CEO, Hitachi Energy; and **John Pettigrew**, CEO, National Grid



How Will AI Change Power System Operations? with **Dan Bennett** (Chair), Chief Data Officer, S&P Global Commodity Insights; **Rolf Gibbels**, Head of Worldwide Business Development, Energy & Utilities Industry, Amazon Web Services; **İhsan Erbil Bayçöl**, CEO, Enerjisa Üretim; and **Miguel Torreira**, Global Utilities Strategy Lead, Accenture

New Supply Chains for Net Zero

The need for minerals, metals and low-carbon fuels will be dramatically increased by the energy transition. How can those supplies be met given the long lead times, uncertainty over investment, permitting and environmental challenges?

Sessions included:

- Building New Supply Chains Required for Net Zero
- Forging Ahead: Critical minerals and the energy transition
- Higher Value, Lower Costs: Growth models for renewables
- Spotlight | Remapping Supply Chains: Friendshoring & deglobalization
- Sustainability and Circularity Across Value Chains



Lord Browne of Madingley, Chairman, BeyondNetZero, General Atlantic



Higher Value, Lower Costs: Growth models for renewables plenary with **Eduard Sala de Vedruna** (Chair), Clean Energy Technology Lead, S&P Global; **Mark Lundstrom**, Founder & CEO, Radia; **Miguel Stilwell d'Andrade**, CEO, EDP Renewables; **Bernerd Da Santos**, EVP & President, Renewables, AES Corporation; and **Danielle Merfeld**, CTO, Hanwha Qcells



Fred Krupp, President, Environmental Defense Fund (EDF)



Mark Lundstrom, Founder & CEO, Radia



Spotlight | Remapping Supply Chains: Friendshoring & deglobalization. Pictured above **Pamela Skaufel**, Vice President, Procurement, ExxonMobil and **Christopher Smith**, Chief Government Affairs Officer, Ford

New Supply Chains for Net Zero



Supplying the Minerals for the Energy Future.
Pictured above **Sinead Kaufman**, Chief Executive, Minerals, Rio Tinto



Electric Vehicle Penetration: Accelerating or braking? with **John Casesa**, Senior Managing Director, Guggenheim Securities



How Can the Oil & Gas Industry Attract and Retain Talent. Pictured above **Leanne Todd**, Head of Upstream & Commodity Insights Advisory, S&P Global



Bringing Down Emissions in Supply Chains with **Robert Fee**, VP, International Affairs and Climate, Cheniere Energy; **Hannah Hauman**, Global Head of Carbon Trading, Trafigura; and **Matt Kolesar**, Chief Environmental Scientist, ExxonMobil



Building Tomorrow's Energy Infrastructure with **Atul Arya** (Chair), SVP & Chief Energy Strategist, S&P Global Commodity Insights; **Craig Albert**, President & COO, Bechtel; and **Ashraf A. Al Ghazzawi**, EVP, Strategy & Corporate Development, Saudi Aramco

Capital Transition

Transforming the energy system will require significant capital at a time of growing trade tensions, geopolitical instability and a “higher-for-longer” interest rate environment. How will investors, energy companies and governments navigate the risks and opportunities to recalibrate the world’s energy system – and deliver the returns that stakeholders require?



Growing Weight of Private Capital Across Energy. Pictured above **Peter Gardett** (Chair), Executive Director, Financial and Capital Markets, S&P Global; and **Gabriel Caillaux**, Head of Climate, Co-President, Managing Director & Head Business, EMEA, General Atlantic (UK) LLP



Roger Diwan, VP, S&P Global Commodity Insights



The “Capital Transition” for the energy transition with **Salim Samaha**, Partner, Global Head of Energy, Global Infrastructure Partners; **Michael LaMotte**, Senior Managing Director, Guggenheim Securities; and **Eduard Ruijs**, Head of Energy Transition, Vitol



North American Oil and Gas: Growth, profits and decarbonization with **Kris Smith**, EVP & CFO, Suncor Energy Inc.; **Gordon Huddleston**, President & Partner, Aethon Energy; **Bart Cahir**, SVP Upstream Unconventional, ExxonMobil; and **Luca Zanotti**, President, USA, Tenaris

Capital Transition



New Capital for New Energy with **Emma Russell**, Principal, Argo Infrastructure Partners; **Dickon Pinner**, Head of Transition Capital, BlackRock; and **Eduard Ruijs**, Head of Energy Transition, Vitol



Growing Weight of Private Capital Across Energy. Pictured above **Brendan Duval**, Founder & CEO, Glenfarne Energy Transition



Financial Prospects for Renewable Power: Will markets support returns? Pictured above **Ethan Zindler**, Climate Counselor, United States Department of the Treasury



The “Capital Transition” Funding the Energy Transition with **Jigar Shah**, Director, Loan Programs Office, United States Department of Energy; **Marcel van Poecke**, Chairman of Energy, The Carlyle Group; and **Christian Bruch**, President & CEO, Siemens Energy AG

Technology and Innovation

What lies ahead for technology and what models of innovation are being adopted to advance solutions and accelerate deployment?



Leadership Dialogue with **Daniel Yergin**, CERAWeek Chair; Vice Chairman, S&P Global and **Bill Gates**, Founder, Breakthrough Energy and TerraPower



Technology in a Competitive World plenary with **Ramamoorthy Ramesh**, Vice President, Research, Rice University; **Gregory C. Allen**, Director, Wadhvani Center for AI and Advanced Technologies, Center for Strategic and International Studies (CSIS); and **Edouard Tavernier**, President, S&P Global Mobility



Growing Global Footprint of CCUS: What are the models for deployment? with **Jeff Alvarez**, President & General Manager, 1PointFive Sequestration & TerraLithium; **Myles Allen**, Head of Atmospheric, Oceanic and Planetary Physics, University of Oxford; **Tetsuo Yamada**, EVP & Chief Strategy Officer, JX Nippon Oil & Gas Exploration Corporation; and **Graham Henley**, CEO, IOGP - International Association of Oil & Gas Producers

Technology and Innovation



Scaling Technologies for the Future. Pictured above **Marie-Noelle Semeria**, CTO, TotalEnergies



Navigating AI and the Digital Revolution with **Julie Sweet**, Chair & CEO, Accenture

Sessions included:

- Cyber: "Shields up" for energy systems
- Direct Air Capture: Moving forward
- How Will AI Change Power System Operations?
- Reimagining the Energy Future
- Speed and Scale: Unlocking a just, secure and sustainable future
- Spotlight | Power and Technology: Reshaping the energy landscape
- Strategies and Business Models for Deploying CleanTech
- Technology Choices for the Future
- Technology in a Competitive World
- Will AI Accelerate the Energy Transition?



AI: How will it impact the energy business? with **Matthew Babin**, Global Head of Energy and Natural Resources, Palantir; **Rob McGreevy**, Chief Product Officer, AVEVA Software LLC; and **Matthew Kerner**, Corporate VP, Microsoft Cloud for Industry, Microsoft



How Digital and AI Will Transform the Energy Industry. Pictured above **Bill Vass**, VP, Engineering, Amazon Web Services (AWS)

Climate and Sustainability



Strategic Roundtable | Oil & Gas Climate Initiative (OGCI) 10 Years: Past, present and future

What is ahead for the climate agenda? How will governments and industry continue to coalesce around shared goals and advance climate objectives?

Sessions included:

- Climate Policies Post COP28
- Decarbonization: What are the learnings?
- Growing Global Footprint of CCUS: What are the models for deployment?
- How Will Carbon Markets Evolve?
- Managing Carbon Projects: Lessons and solutions
- Spotlight | Accelerating Carbon Management
- Spotlight | Decarbonization: How quickly will it scale?
- Spotlight | Navigating the Politics of Climate Ambition



COP28 Oil & Gas Decarbonization Commitments with **Cederic Cremers**, EVP LNG, Shell International Exploration and Production B.V.; **Demetrios Papathanasiou**, Global Director, Energy and Extractives Global Practice, World Bank; **Matt Watson**, VP, Energy Transition, Environmental Defense Fund (EDF); and **Brad Crabtree**, Assistant Secretary for the Office of Fossil Energy and Carbon Management, United States Department of Energy

Climate and Sustainability



Spotlight | Policy Choices for Energy Transition with **Musabbeh Al Kaabi**, Executive Director of Low Carbon Solutions & International Growth, Abu Dhabi National Oil Company (ADNOC); **Hon. Alexandre Silveira**, Minister of Mines and Energy, Ministry of Mines and Energy, Brazil; and **Elnur Soltanov**, CEO, COP29, and Deputy Minister of Energy, Ministry of Energy, Republic of Azerbaijan



Different Pathways to Low Carbon plenary with **Atul Arya** (Chair), SVP & Chief Energy Strategist, S&P Global Commodity Insights; **Takayuki Ueda**, President & CEO, INPEX Corporation; **Barbara Frei**, EVP, Industrial Automation, Schneider Electric; and **Dev Sanyal**, CEO, VARO Energy Group



Forging Climate Solutions: How to accelerate action across America Strategic Dialogue & Breakfast with **Julien Perez**, VP, Strategy and Policy, Oil and Gas Climate Initiative; and **Mustafa Santiago**, EVP, Conservation & Justice, National Wildlife Federation



Strategic Roundtable | Rethinking Energy and Climate Scenarios? Pictured above **Olu Verheijen**, Special Adviser on Energy to President Bola Ahmed Tinubu, Office of the President of the Federal Republic of Nigeria

S&P Global Commodity Insight Expertise



Reflections on the Week with S&P Global experts **James R. Burkhard**, VP & Head of Research, Oil Markets, Energy and Mobility; **Catherine Robinson**, Executive Director, Low Carbon Gas; **Carolyn Seto**, Executive Director, Upstream Technology & Innovation; **Atul Arya** (Chair), SVP & Chief Energy Strategist; **Marie-Louise du Bois**, Global Head, Carbon Pricing, Energy Transition; **Beth Evans**, Head of News; **Jenny Yang**, Senior Director & Lead, Market Analysis (Greater China Natural & Low-carbon Gases); and **Daniel Pratt**, VP, Upstream Solutions



Mark Eramo, Global Head, Fuels, Chemicals & Resource Solutions, S&P Global Commodity Insights

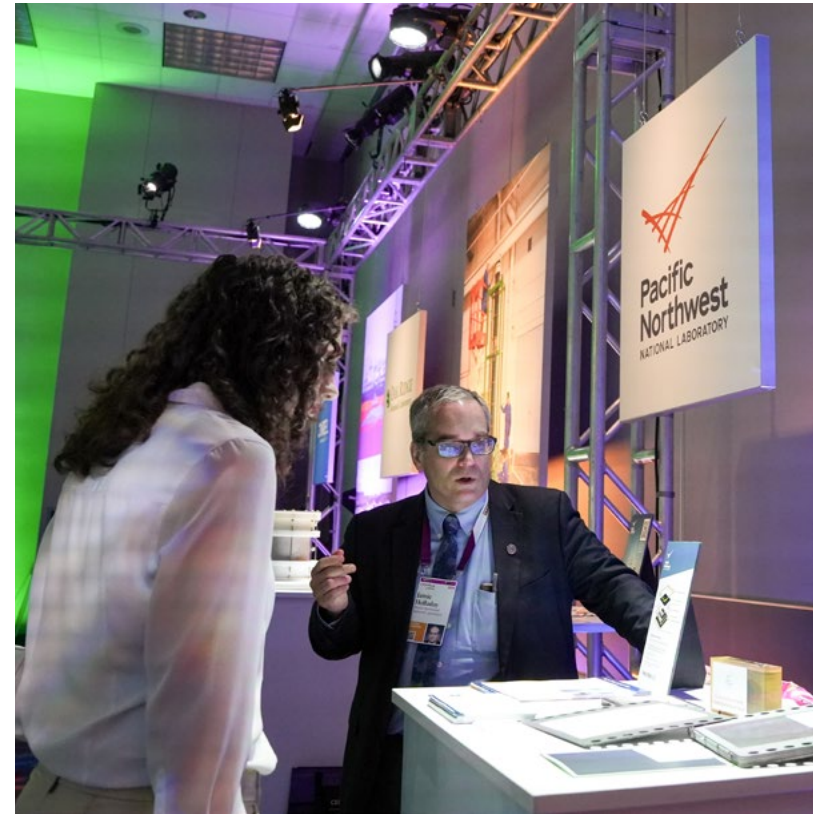


Dan Bennett, Chief Data Officer, S&P Global Commodity Insights



Expert Zone | S&P Global Expert Presentation: Refining with **Daniel Evans**, VP & Global Lead, Fuels and Refining, S&P Global

U.S. Department of Energy and National Research Laboratories spaces



Partner Programs

Leadership Circle Summits are invitation-only standing communities with focused, highly interactive discussions on key issues shaping the energy future.



Downstream Summit



Climate & Sustainability Summit



Global Gas & LNG Summit



Global Hydrogen Summit



Global Power & Renewables Summit



Global Upstream Summit



Low Carbon Summit



North American Independents Summit



Climate & Sustainability Summit



Technology & Innovation Summit



Oil & Gas Innovation Summit

Partner Programs

Leadership Circle Forums are regional and topical sessions that vary from year to year, focusing on emerging key developments.

Regional Forums



Africa Energy & Economy Forum



Asia Pacific Energy Forum



Europe Forum



Latin America Forum



North America Forum

Industry Forums



Agribusiness & Biofuels Forum



Carbon Accounting Forum



Carbon Market Forum



Critical Minerals Forum



Digital Forum



Emission Metric Forum



Financial Forum

Partner Programs



Financing Hydrogen Forum



Global Financial Forum



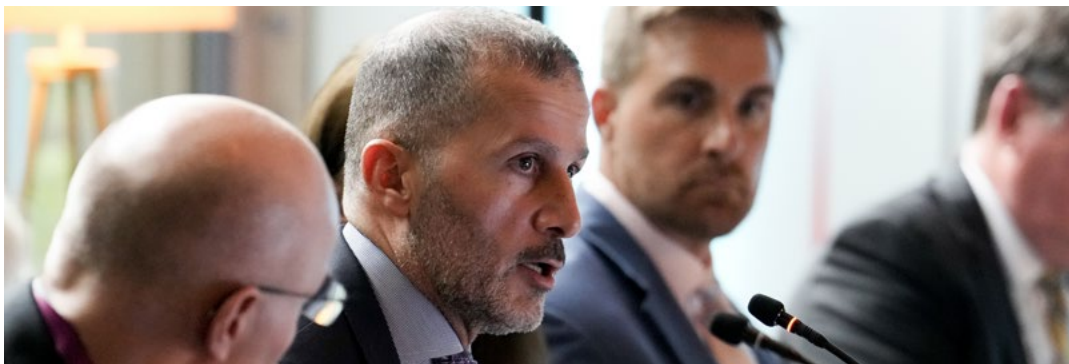
Global Gas Forum



Methane Forum



Mobility Forum



Nuclear Forum



Trading Forum

Energy Partner Informal Conversations (EPICs)

Roundtable conversations with ministers or top government officials



H.E. José Barroso, Secretary of State for Oil and Gas, Ministry of Mineral Resources, Oil and Gas, Angola



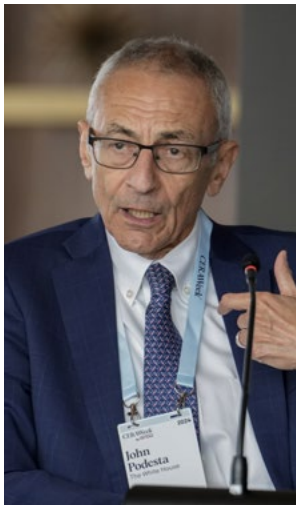
David Crane, Under Secretary for Infrastructure, Department of Energy, United States



Jigar Shah, Director, Loan Programs Office, Department of Energy, United States



Hon. Shin Hosaka, Vice Minister for International Affairs, Ministry of Economy, Trade and Industry (METI), Japan



John Podesta, Senior Advisor to President Joe Biden for International Climate Policy, The White House, United States



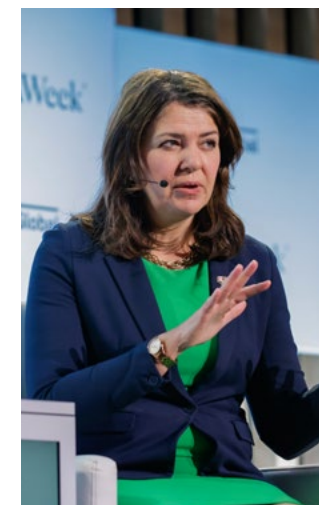
Amb. Geoffrey R. Pyatt, Assistant Secretary, Bureau of Energy Resources, Department of State, United States



Hon. Alexandre Silveira, Minister of Mines and Energy, Ministry of Mines and Energy, Brazil



Kadri Simson, Commissioner for Energy, European Commission



Hon. Danielle Smith, Premier of Alberta, Government of Alberta, Canada

The **CERAWeek Women in Energy (WIE)** rests on the foundation of a strong energy sector, embraces an inclusive environment with informal dialogues and networking in support of the growing professional community of women and diverse individuals in energy and related industries.

Women in Energy networking reception hosted by API



Women in Energy dinner



Women in Energy dinner speakers: **Martina Cheung**, President, S&P Global Ratings, S&P Global; **H.E. Dr. Amani Abou-Zeid**, Commissioner for Infrastructure, Energy & Digitalisation, African Union; **Sue Lena Thompson**, Producer, Special Programs, CERAWeek by S&P Global; **Kathleen Ash**, President & CEO, Denbury, Inc., ExxonMobil; **Evelyn N. Wang**, Director, Advanced Research Projects Agency-Energy (ARPA-E), U.S. Department of Energy; and **Leanne Todd**, Head of Upstream & Commodity Insights Advisory, S&P Global

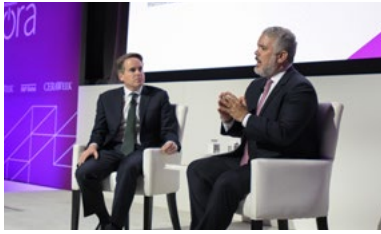


Future Energy Leaders

The Future Energy Leaders is committed to developing rising talent, offering learning and networking opportunities with peers and the opportunity to engage in thought leadership discussions with prominent executives. Exceptional candidates are submitted by CERAWeek Partners. Chosen by virtue of their high potential as future leaders of the industry, participants form a unique community with exceptional individuals from companies, academic institutions and NGOs to help empower them to meet current and future energy challenges.



Content sessions



Matthew Swift, CEO, President & Co-Founder, Concordia and **H.E. Former President Iván Duque**, Colombia



Kenneth Medlock, Senior Director, Center for Energy Studies, Rice University



John Mensah, Principal, Energy and Natural Resources, Korn Ferry



Robert Stoner, Director, MITeI



Scott Tinker, Chairman, Switch Energy Alliance; CEO, Tinker Energy Associates; and Director Emeritus, Bureau of Economic Geology



Dr. Mouin Almasoodi, Reservoir Engineering Manager, Devon Energy

Professional Development Program receptions



H.E. Dr. Amani Abou-Zeid, Commissioner for Infrastructure, Energy & Digitalisation, African Union



Pedro Pizarro, President & CEO, Edison International



Forest Reinhardt, John D. Black Professor of Business Administration, Harvard Business School



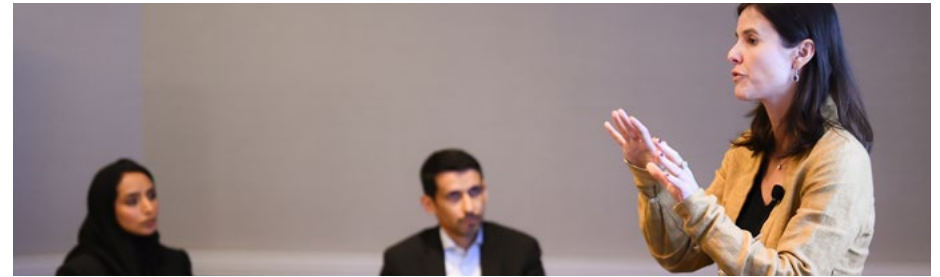
Sue Lena Thompson, Producer, Special Programs, CERAWeek by S&P Global

The Professional Development Programs Class of 2024



Weekend Career Development Program

An immersive career development experience is offered the weekend prior to CERAWeek. The curriculum examines energy from global perspectives including geopolitics, economics, energy transition and operational excellence. Exceptional candidates are submitted by CERAWeek Partners. Led by Harvard Business School Professor Forest Reinhardt, and S&P Global experts, participants engage in a series of deep-dive case studies and lectures designed to build leadership skills and strategic thinking.



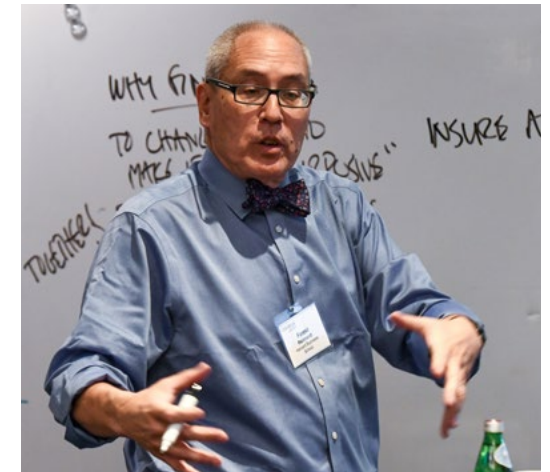
Presenter: **Eleonor Kramarz**, Global Head, Energy Transition Consulting, S&P Global



Presenter: **Daniel Yergin**, CERAWeek Chair; Vice Chairman, S&P Global with **Sue Lena Thompson**, Producer, Special Programs, CERAWeek by S&P Global and **Forest Reinhardt**, John D. Black Professor of Business Administration, Harvard Business School



ADNOC participants of the Professional Development Program



Presenter: **Forest Reinhardt**, John D. Black Professor of Business Administration, Harvard Business School



Program delegate questions



Executive Interviews – One-on-one discussions with industry executives and government officials at CERAWeek



Coralie Laurencin, Senior Director, Gas, Power and Climate, S&P Global and **Kadri Simpson**, EU Commissioner for Energy



Ricardo Mussa, CEO, Raízen with **Carlos Pascual**, Sr. Vice President Geopolitics and International Affairs, S&P Global Commodity Insights



Bob Dudley, Chairman, Oil and Gas Climate Initiative (OGCI)

Interviewees included:

- **Dr. Enass Abo-Hamed**, Co-Founder & CEO, H2GO Power Ltd.,
- **Shaikh Nawaf Al-Sabah**, Deputy Chairman & CEO, Kuwait Petroleum Corporation
- **Rich Brockmeyer**, Head of North American Natural Gas, Gunvor Group
- **Gabriel Caillaux**, Global Head of Climate, Co-President and Head, Business EMEA, General Atlantic (UK) LLP
- **Kendall Dilling**, President, Pathways Alliance
- **Sean Durbin**, EVP North America, Linde
- **Barbara Frei**, EVP, Industrial Automation, Schneider Electric
- **Caspar Herzberg**, CEO, AVEVA
- **Jennifer Holmgren**, Chairman & CEO, LanzaTech
- **Shin Hosaka**, Vice-Minister for International Affairs, Ministry of Economy, Trade and Industry (METI), Japan
- **Tak Ishikawa**, President & CEO, Mitsubishi Heavy Industries America (MHIA)
- **H.E. Michał Kurtyka**, President, COP24
- **Mele Kyari**, Group CEO, NNPC Limited
- **Joselyn Lai**, Co-Founder & CEO, Bedrock Energy
- **Claude Létourneau**, President & CEO, Svante
- **Paul Marsden**, President, Bechtel Energy
- **Matt Maroon**, CEO, C-Motive Technologies
- **Magzum Mirzagaliyev**, Chairman of the Management Board, JSC NC KazMunayGas
- **Steve O'Rourke**, CEO, JERA Americas, Inc.
- **Mark Ranelli**, President & CEO, BioSqueeze
- **David Sandalow**, Inaugural Fellow, Center on Global Energy Policy, Columbia University's School of International and Public Affairs
- **Dev Sanyal**, CEO, VARO Energy Group
- **Richard Voorberg**, President, North America, Siemens Energy, Inc.

Innovation Agora @ CERAWeek

The Innovation Agora @ CERAWeek convened an energizing community of visionaries, technologists, startup entrepreneurs, VCs and investors, policy makers and corporate innovators—all dedicated to creating solutions to the greatest challenges facing our energy and environmental future.

Our focus is on showcasing and advancing transformational technologies—including those in AI and digital, renewables and e-mobility, hydrogen and CCS, advanced nuclear, decarbonization and electrification, quantum networks and computing, robotics and drones, advanced materials, smart cities and the built environment, workforce development and more.

The Agora is a vibrant marketplace of ideas on energy innovation, emerging technologies and solutions — with opportunities to learn, connect and ideate.

Our formats include:

Agora Studios — interactive conversations and discussions on emerging and disruptive technologies and models of innovation.

Voices of Innovation — in-depth interviews highlighting journeys and insights by pioneers and thought leaders.

Agora Pods — deep-dive presentations, case studies and startup “pitches” in a close-up, relaxed setting.

Agora Hubs — dedicated Hydrogen, Carbon and Climate areas featuring interactive presentations and discussions, receptions and more.

Agora Houses — a glimpse of what’s ahead from some of the world’s preeminent energy and technology companies, offering remarkable experiences, engagements and connections.

Installations — Partner Installations in the Agora Atrium invited delegates to learn more about emerging technologies.

Lyceum Labs — seminars on key topics and technologies offering high-impact learning and engagement with experts.

Technology Corridor — Dedicated space for delegates to speak with a number of our Agora Pod presenters in a more relaxed and interactive setting.

Agora Café — perfect place to meet and exchange ideas over locally roasted coffee.

Clean Energy Commons — networking gathering space surrounded by innovative partner and Agora sessions.

Agora Car Show — an immersive experience for CERAWeek delegates to see and learn the narrative behind each Partner’s vehicle and its impact on the future of energy and mobility.

Book Talks and signings... and more!

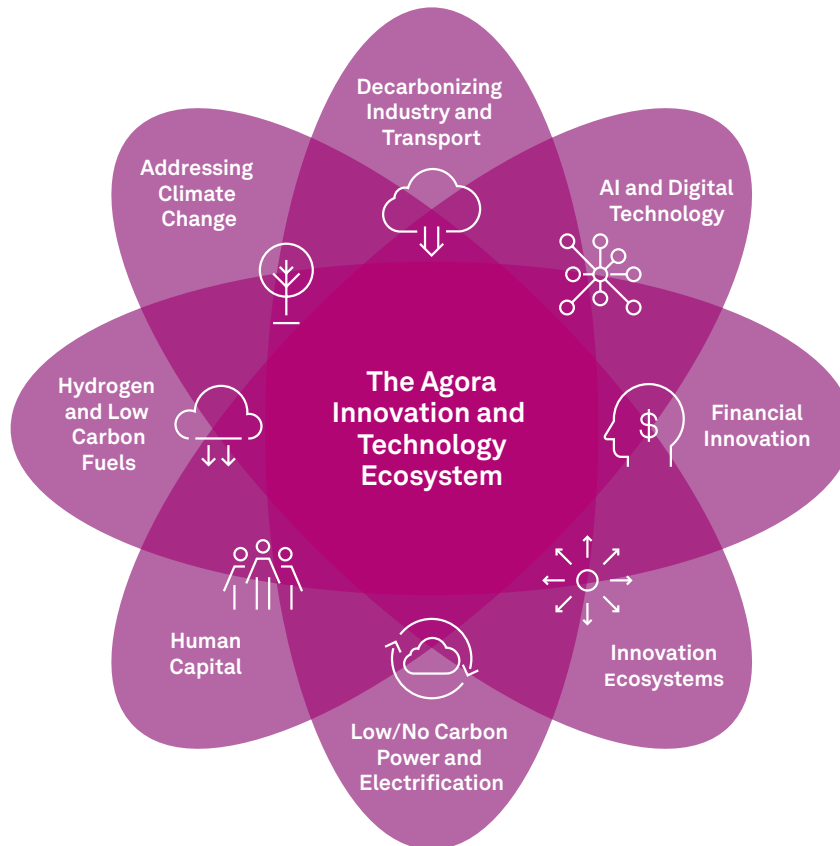


Innovation Agora Themes

The Innovation Agora @ CERAWeek fosters energy innovation and advances solutions to the world's greatest energy and sustainability challenges. The Agora is a marketplace for ideas, dialogue, new experiences and connections. This exciting community of startups, technologists, investors, academics, energy companies and government officials are all dedicated to shared learning and exploration.

The program features unique formats, interactive dialogue and conversations about global energy innovation and technology ecosystem.

Key themes and technology pathways featured across the Agora are rooted in innovation and energy transition solutions:



“I’ve been coming to CERAWeek for over two decades. It’s never lost the character of the premier convening of the energy tribe that I really benefit from enormously. The opportunity to cross paths with people from all sectors of the energy business, the energy policy world, the energy research world, is really a unique experience.”

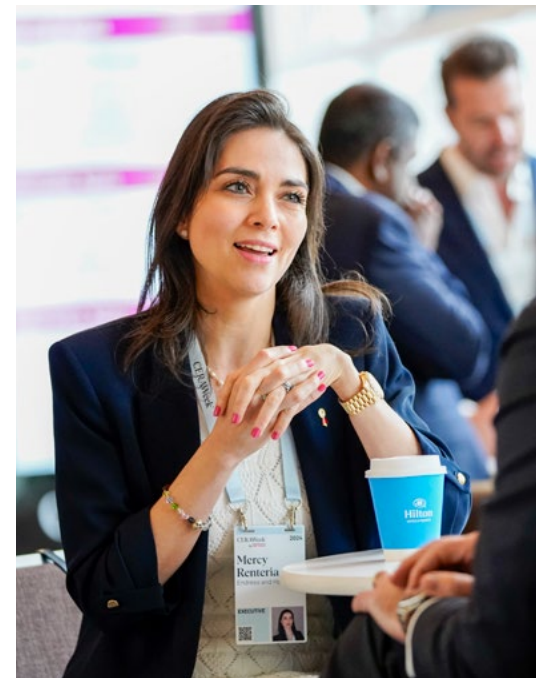
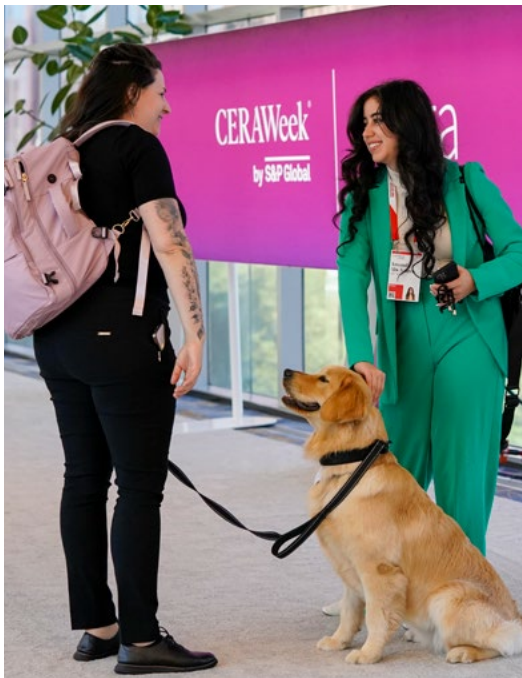
– Dr. Ernest Moniz, Founder & CEO, Energy Futures Initiative; 13th U.S. Secretary of Energy; and Founding Director, MIT Energy Initiative (MITEI)

Scan or click here to view the Innovation Agora in Review 2024 in its entirety



Networking





CERAWeek Partners are committed to advancing the CERAWeek mission of thought leadership, shared learning and relationship-building among industry, government and society to secure the global energy future. Innovation Agora Partners support the exciting global innovation and technology community dedicated to creating new pathways and solutions for the energy future, contributing their expertise and experiences to this immersive environment.

The program integrates branding, knowledge contribution, media support, delegation support, hosting and networking into a single, tailored strategy that supports the Partner's objectives.

Partner Benefits

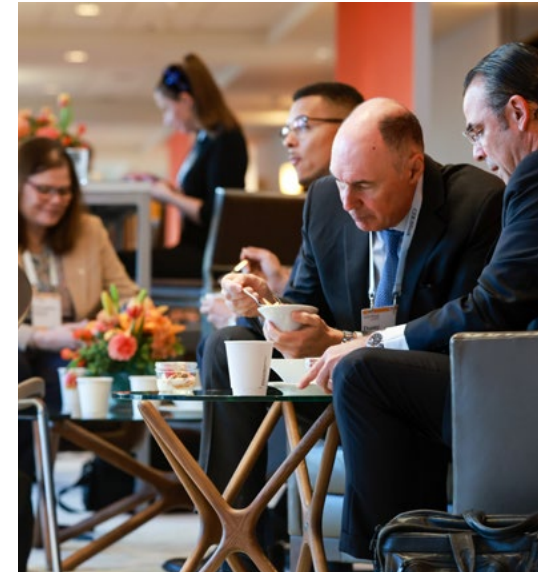
- High-level engagement before, during and after the conference
- Maximized impact and experience of your executives' participation
- Access to Private Leadership Circles and Special Programs
- Support by the CERAWeek Executive Steering Committee and a team of dedicated CERAWeek Partner Liaison Managers

This unique platform creates an opportunity for Partners to deepen relationships with key stakeholders, developing and sharing ideas and thought leadership, while enhancing their visibility and profile. CERAWeek Partners also benefit from access to exclusive CERAWeek private programs, networking and meeting spaces. The former is reserved exclusively for CERAWeek's senior-most participants, providing an invitation-only track of designated professional communities. These interactive sessions draw on Partners' expertise and thought leadership contributions.



“Conversations that happen in the hallways continue into conversations the next year throughout our business that turn into new ideas of collaboration.”

—Anish Simon, Vice President, Carbon Removal, Equinor



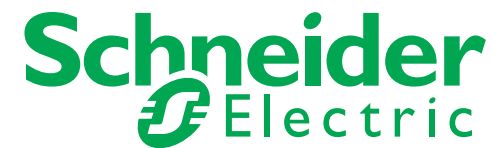
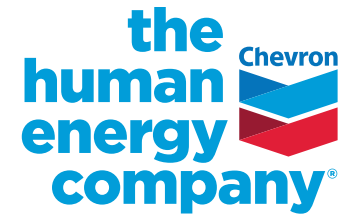
“Having a presence in CERAWeek is really invaluable. You can walk up and down the hierarchy of a company walking through the halls of CERAWeek.”

– Damian Beauchamp, President & Chief Development Officer, 8 Rivers





Foundational Partners



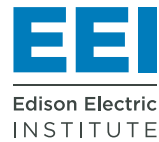
Strategic Partners



Strategic Partners



Industry Partners



Industry Partners

nationalgrid

NATURAL ALLIES
FOR A CLEAN
ENERGY FUTURE

NEI NUCLEAR
ENERGY
INSTITUTE

nrg

OGGI
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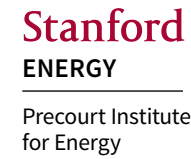
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We look forward to seeing you at CERAWeek 2025

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