

COP28

TOPSOE AT COP28



TOPSOE

Topsoe is a global leader in developing solutions for a decarbonized world, supplying technology, catalysts, and services for worldwide energy transition. Headquartered in Denmark with production sites in both Denmark and the U.S., the company's mission is to combat climate change by helping partners and customers achieve their decarbonization and emission-reduction targets, including those in challenging sectors: aviation, shipping, and heavy industry.

From low-carbon to renewable and green fuels and chemicals, Topsoe is uniquely positioned to aid humanity in realizing a sustainable future.

Topsoe will be participating in COP28 with the following representatives:

- **Roeland Baan**
Chief Executive Officer
- **Amy Chiang**
Chief Sustainability and Public Affairs Officer
- **Sundus Ramli**
Chief Commercial Officer for Power-to-X
- **Elena Scaltritti**
Chief Commercial Officer

They will be available to discuss important drivers of the energy transition with a special focus on the decarbonization of hard-to-abate sectors. This brief outlines in greater detail what each speaker could touch upon in their intervention.



ROELAND BAAN CHIEF EXECUTIVE OFFICER



Roeland Baan joined Topsoe in June 2020.

He brings with him over 40 years of experience from the private sector, working in global industry companies spanning from energy and fuel to steel. Here he has successfully developed businesses, driven growth, and built cohesive organizations.

Mr. Baan joined Topsoe from a position as President and CEO of the global stainless-steel company Outokumpu, listed on the Finnish stock exchange.

Throughout his career, Mr. Baan has held a wide range of global CEO and Executive Vice President (EVP) positions at Aleris International, Arcelor Mittal, SHV NV, and Shell. Furthermore, he has held positions such as Chairman of AEGPL, Chairman of European Aluminum, Member of the Board of Eurofer, and Chairman of International Stainless Steel Association.

Mr. Baan serves as Chairman of the Supervisory Board of SBM Offshore NV. He holds an MSc in Economics from Vrije Universiteit Amsterdam.

Mr. Baan can address the following issues:

- **Pathways for decarbonization of the “hard-to-abate sectors”- transitional and long-term.** Roeland Baan can discuss key challenges such as scale and availability of renewable energy to produce green fuels and green-made chemicals, the need for urgency and role of decision-makers/legislation in incentivizing the green transition – building on examples from Topsoe when it comes to cooperation across the value-chain.
- **How can electrolyzer manufacturing be on track with net-zero in 2050?** Mr. Baan can shed light on investment needs in electrolyzer technology manufacturing globally based on Topsoe’s own experience with building the world’s largest SOEC manufacturing plant in Denmark to be operational in 2025 and how industrial policies can help strengthen regional and global net-zero technology supply chains.
- **The role of critical raw materials in the clean energy transition.** Specifically, Roeland will draw on the example of Topsoe’s next generation LMNO-cathodes to highlight how innovation in battery technologies can help improve material efficiency, reduce energy dependence, and expand battery applications to support electrification trends.
- **Just transition.** Mr. Baan can discuss challenges and possibilities in achieving a fair and inclusive green transition leaving no one behind and how the Global South can tap into the green hydrogen economy with examples from Power-to-X projects in emerging and developing economies where Topsoe is involved.



AMY CHIANG CHIEF SUSTAINABILITY AND PUBLIC AFFAIRS OFFICER

Ms. Chiang joined Topsoe as Chief Sustainability and Public Affairs Officer in May 2023.

She brings with her over 25 years of experience in both the private and public sectors, with considerable focus on the nexus of global policy, business and advanced technologies. She joins Topsoe from a Fortune 100 multinational technology company where she served as Vice President, Sustainability, Global Government Relations.

Previously, Ms. Chiang was appointed as the Director of International Affairs in the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy, where she guided efforts around creating breakthrough international agreements. She has also served as the Deputy Chief of Staff to Congressman Sherwood Boehlert in the U.S. House of Representatives and as professional staff in the House Science Committee. In addition, she has worked in management consulting and finance.

Ms. Chiang holds a B.S. in Chemical Engineering from the Massachusetts Institute of Technology (MIT) and an International MBA from the University of Chicago.

Ms. Chiang can address the following topics:

- **Sustainability as part of a growth platform.** Ms. Chiang can discuss how sustainability can be a powerful business driver. Continued efforts to improve the sustainability of Topsoe products received a Platinum rating for sustainability by EcoVadis Ratings in December 2022. Aiming for net-zero across scope 1,2, and 3 by 2040, well before many competitors, Topsoe actively works with suppliers and customers to walk the sustainability talk.
- **What role for public-private partnerships in accelerating the green transition?** Ms. Chiang can give her perspective on why governments and private businesses should work together to create viable business cases for a net-zero economy.
- **Regulatory frameworks to deliver the energy transition.** Ms. Chiang can elaborate on why and how ambitious decarbonization policies are critical to enable a green future.



ELENA SCALTRITTI CHIEF COMMERCIAL OFFICER

Elena Scaltritti joined Topsoe in 2022
as Chief Commercial Officer.

She is responsible for the company's commercial offerings in existing markets as well as accelerating Topsoe's position in the green energy market.

Before joining Topsoe, Ms. Scaltritti served as Executive Vice President at SONGWON Industrial Group, responsible for the group's commercial activities.

Ms. Scaltritti holds a BSc in Organic Chemistry from the University of Milan and an MBA from MIB Business School Politecnico in Milan.

Ms. Scaltritti could discuss the following topics:

- **Decarbonization pathways in aviation** with a focus on sustainable aviation fuels (SAF), underlying technologies (from HEFA to e-jet fuels) and how different incentive schemes (tax credits in the U.S. or blending mandates in Europe) are expected to impact the deployment of SAF in the years to come. Ms. Scaltritti can elaborate on Topsoe plans to establish a 50/50 joint venture with global chemicals and energy company, Sasol, to start producing SAF. She can also discuss Topsoe's work to speed up the use of third-generation waste feedstock for SAF production, among others.
- **Transitioning to a circular plastic economy.** Ms. Scaltritti can explain how Topsoe is helping the plastic industry decarbonize and shed light on the opportunities and obstacles involved in transitioning to a more sustainable business model.



SUNDUS RAMLI CHIEF COMMERCIAL OFFICER, POWER-TO-X

She joined Topsoe in April 2022,
where she is Chief Commercial Officer for Power-to-X.

Sundus Cordelia Ramli holds an MSc in Renewable Energy from the University of Oldenburg and a BSc (Hons) in Astrophysics from the University of Edinburgh. Sundus Ramli is leading the global commercial activities regarding Topsoe's end-to-end Power-to-X solutions. Prior to Topsoe, Sundus Ramli has worked in the energy transition both in the EPC sphere as Vice President at Worley and utility/developer sphere at Orsted.

Ms. Ramli is uniquely positioned to discuss numerous topics that are central to the renewable energy transition, including:

- **Transformation of industries that are notoriously hard-to-abate.** Ms. Ramli can address the essential relationship of technology and business models in enabling a more rapid decarbonization of hard-to-abate industries. Building on examples from both Topsoe and their customers, Ms. Ramli can highlight how like leaders within aviation, shipping, and heavy industries are benefitting from the latest technology and business model innovations to transform their businesses. This includes a special emphasis on the transformative potential of green hydrogen, e-methanol, e-ammonia and e-SAF.
- **Increasing the viability of Power to X solutions (including electrolyzers),** Ms. Ramli can provide deep insights into the evolving dynamics of renewable energy, highlighting how we can apply learnings from the offshore wind and solar revolution to Power-to-X. Delving into how we should reframe the subsidies debates to overhaul the current hydrogen production paradigm to enable a faster transition.
- **Strategic Partnerships for a Carbon Neutral Future** and how new ways of fostering partnerships can accelerate progress. Ms. Ramli can present examples of offtake agreements from clients involved in the production of green ammonia for zero-emission fuels, power storage & generation and green fertilizer. Additional examples of partnerships with innovative steel producers, will demonstrate how a new approach to collaboration across the supply-chain can speed up progress towards NetZero.