Cristina NENU

CEO Arcade Catalyst

Cristina is a renowned expert in CO_2 capture and CO2 utilisation technologies, committed to driving large-scale decarbonisation solutions. With 30 years of experience working with major industry leaders, she has played a pivotal role in advancing innovative carbon strategies that accelerate the transition to a low-carbon future. Her career spans early-stage innovation in a startup followed by nearly two decades at Shell where she led transformative CCUS initiatives. In her current role as a CEO of Arcade Catalyst, she continues to shape the future of carbon capture, utilisation, and storage.

Having successfully delivered over 15 large-scale projects and guided strategic implementations across Shell's CO_2 Capture and Utilisation Technology Portfolios, Cristina brings rare depth to the question of what it takes to move CCUS to industrial scale. Her hands-on experience, from commercial catalyst production to high-profile deployments in CCS as well as emerging innitiatives as ViennaGreenCO_2 and TulipGreenCO_2, gives her an unmatched perspective on the technical and commercial realities of CCUS technologies.

Cristina has played a strategic role in global CCS expansion, identifying and facilitating three new CCS hubs in Japan, China, and South Korea, enhancing international adoption of decarbonisation technologies. She has also expanded her expertise into carbon credits, ensuring that advancements in CO_2 capture and utilisation align with market-driven sustainability initiatives. Her leadership continues to drive innovation, ensuring that emerging CO_2 capture and utilisation solutions are technically viable, commercially scalable, and environmentally impactful.