

DIEGO A. VAZQUEZ ANZOLA

Managing Director | APES - Energy Evolution

Energy transition and sustainable development

Perth, Western Australia | Australian citizen



Diego is an energy transition advisor and Managing Director of Asia Pacific Energy Solutions (APES), with more than 22 years of international experience. He connects technical, commercial and regulatory perspectives across carbon capture and storage (CCS), industrial decarbonisation, renewable integration and sustainable fuels.

His career spans Shell, Brunei Shell Petroleum, NAM, a Shell secondment to Equinor's Northern Lights project, and Halliburton CCS consulting. He helps turn emerging energy options into practical, risk-informed development and investment decisions.

ENERGY TRANSITION EXPERIENCE

CCS and industrial decarbonisation: coordinated Shell's subsurface contribution to Northern Lights maturation supporting the partners' final investment decision. Supported Aramis storage-permit requirements, containment assessment and monitoring plans. Screened and ranked 17 Brunei decarbonisation and feedstock opportunities.

Renewables and energy systems: development support for a 100 MW / 250 MWh Queensland battery project; FEED and design support for solar-and-battery integration at an Australian zinc-lead mine; renewable-gas concepts and geothermal feasibility.

Biofuels project development - ORA Bioresources: coordinates bioethanol development and biopellet opportunities for power generation, integrating feedstock, technical, commercial and stakeholder inputs during validation and pilot FEED preparation. Renewable diesel and sustainable aviation fuel (SAF), including alcohol-to-jet, are future development pathways.

KNOWLEDGE EXCHANGE AND DIGITAL CAPABILITY

Develops AI-enabled decision workflows for opportunity screening, scenario testing and production optimisation, with expert human review and traceable evidence. Supports knowledge transfer through multidisciplinary facilitation, technical assurance and mentoring.

Exchange interests: de-risking geological CO₂ storage; integrating low-carbon energy and sustainable fuel value chains; and responsible AI applications in energy development.

PROFESSIONAL RECOGNITION AND EDUCATION

SPE Distinguished Lecturer 2025-26 - CO₂ Storage Risks & Costs; Chair, SPE Carbon Storage Working Group; Board Member, SPE Western Australia; Standards Australia CCS committee member and reviewer of SA TS 5373:2022.

Education: MSc. (Hon.) Applied Earth Sciences, Delft Technical University; MSc. Geology, University of Barcelona; BSc. Engineering in Geophysics, Simon Bolivar University.