ZACHRY GROUP OUR PURPOSE IN PRACTICE

Michael Kotara, President, Zachry Sustainability Solutions LLC SwRI Industrial Process Emissions Reduction (IPER) Workshop January 30, 2024



Zachry's Geographic Presence

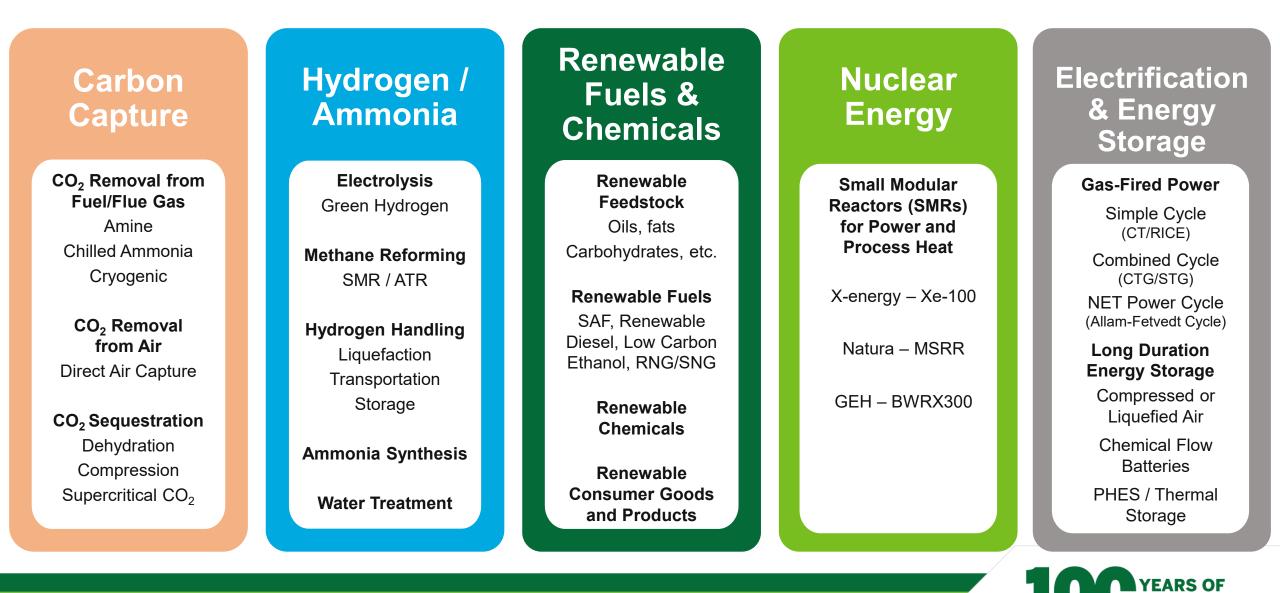


Zachry by the Numbers

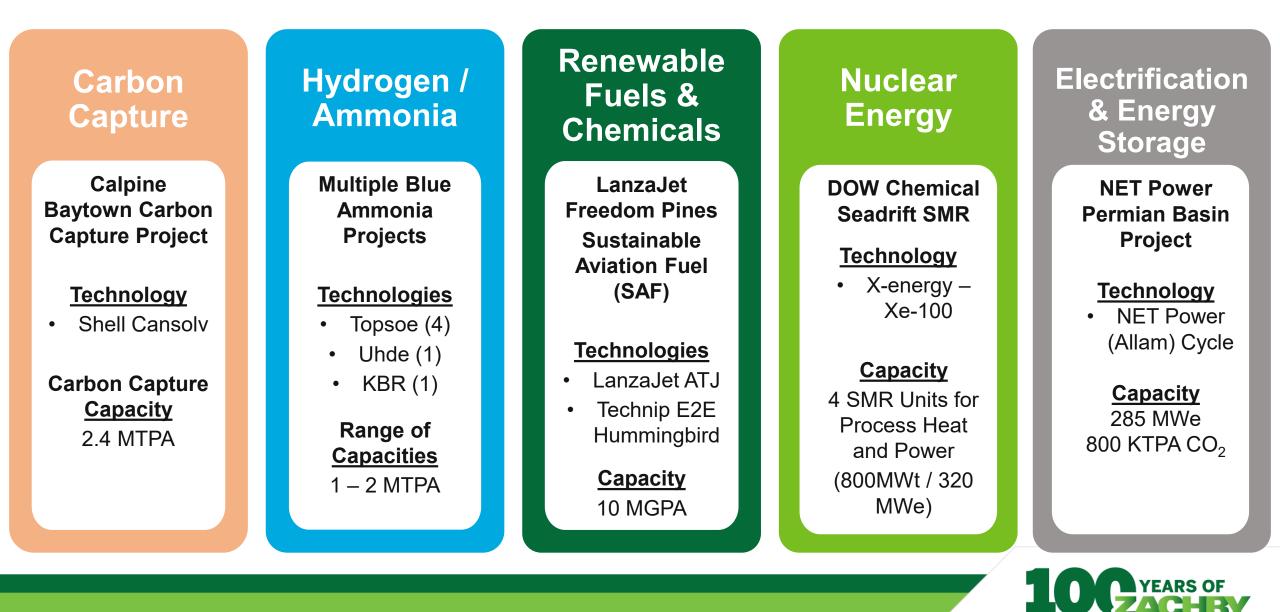




Zachry Sustainability Solutions Focus Areas



Key Active Energy Transition Projects



Current Challenges for Large Industrial Projects

- Common risks for all large industrial projects:
 - Inflation / Higher interest rates / Supply chain constraints
 - Concerns about availability of adequate skilled Workforce
- Added risks for large Energy Transition projects:
 - CO₂ permanent sequestration Class VI injection well permitting
 - New technology and/or significantly larger scale for existing technology adds significant project execution risk
 - Government incentives → Labor and procurement requirements → Added cost and extend schedules
 - U.S. Inflation Reduction Act Prevailing Wages and Apprenticeship requirements
 - U.S. Dept. of Energy (DOE) Grants Buy America/Build America, Cargo Preference Act, etc.
- Many new uncertainties → Greater difficulty to price "Lump Sum" EPC work
 - Developers typically use project-based financing and want Lump Sum EPC
 - Balance sheet financing has significant advantage in the current market



Michael Kotara President, Zachry Sustainability Solutions LLC Email: KotaraM@ZachryGroup.com Phone: 210-827-9665

