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Douglas H. Cortez, ScD, PE

Dr. Douglas Cortez has over 35 years experience in the electric power, petroleum processing, chemical production industries. During his career, he has focused on the clean fuels, clean power and alternative energy industries. He has held leadership positions in the fields of technology research and development, project development, project financing, and engineering and construction.

He is a graduate of Massachusetts Institute of Technology with ScD and SM degrees in Chemical Engineering and University of California, Berkeley, with BS in Chemical Engineering. He is a registered Professional Engineer in California.

Hensley Energy Consulting LLC

In early 2006, he formed Hensley Energy Consulting LLC, an independent technology and management consulting company specializing in providing professional services to the clean energy and electric power industries and financial and government institutions. He is currently an advisor to the FutureGen Industrial Alliance, the Carson Hydrogen Power Project (BP Alternate Energy) and an advisor to Excelsior Energy (Mesaba IGCC). Other active clients include private equity funds, utilities and private developers of alternative energy projects.

Fluor Corporation

From 1984 to 2005, he was an executive with Fluor Corporation, the nation's largest publicly held engineering and construction company. At Fluor, he was Vice President, responsible for project development, project finance, and technology development serving a wide range of clients, including regulated utilities, independent power companies, coal mining, petroleum refining, and technology licensing companies. He contributed to the development and deployment of hundreds of power, cogeneration and clean coal and alternative energy projects, including coal, coke and heavy oil gasification projects, coal to liquids, substitute natural gas, integrated gasification combined cycle (IGCC) and coal to chemicals projects. His experience also includes carbon capture technologies for reducing the production of climate change gases.

In the power sector, he was active in developing, designing and financing a wide range of projects for regulated utility and independent power companies, including IGCC and conventional pulverized coal plants, complex refinery polygeneration plants, coal to chemicals and synthetic fuels facilities.

He is active in leading industry organizations, including Gasification Technologies Council, Coal Utilization Research Council, American Institute of Chemical Engineers, and programs sponsored by Electric Power Research Institute.

Tosco Corporation

From 1973 to 1983, he was an executive with Tosco Corporation (now part of ConocoPhillips). He was responsible for developing cogeneration facilities at Tosco refineries and EOR fields, development of Tosco technologies for coal and petroleum coke utilization, development and licensing of Tosco's shale oil production technologies. He was also a member of the management team that completed the acquisition of refining and marketing assets, as well as private and public oil and gas properties.

Other Experience

From 1969 to 1973, he was employed by an independent engineering consulting company that specialized in petroleum refining and geothermal energy production.

For more information on experience, capabilities and services offered by Hensley Energy Consultants LLC, please contact us by phone or email.