

Brian P. Kolodji, PE

5800 Amerock Court, Bakersfield, CA, 93306
Cell: (713) 907-8742 Email: bkolodji@sbcglobal.net

EXPERIENCE OVERVIEW

Over 40 years' experience as Director/Manager/Project Manager/Process Engineer in O&G Production, Refining, Petrochemicals, and Engineering/Construction Companies with emphasis in gas processing and safety management.

EMPLOYER HIGHLIGHTS

- Oil and Gas: Staff with Chevron, Plains Exploration, Nextera; Contract with MODEC, Hunt Oil and Oxy
- Petrochemical Manufacturing: Staff with Union Carbide, Huntsman, and BP(Taft), and Contract with DuPont
- Refining: Shell Oil Co (Martinez, CA), Tesoro Refining (Martinez), Phillips (Belle Chasse, LA)- all contract
- Biotech/Nuclear Fuel/ Nerve Gas Weapons Processing: Staff with Certis USA, Contract with US DOD/DOE
- Engineering and Construction Companies: Parsons, Fluor, Jacobs, UOP, Mustang, WorleyParsons, Wilbros

H2S/CO2 GAS SEPARATION PROJECTS AS SENIOR PROJECT MANAGER/ SENIOR ENGINEER

- DOZENS OF REFINERY SOLVENT BASED AMINE PROJECTS FOR H2S/CO2 SEPARATION
 - Giant Refining Gallop NM, BP Toledo OH, BP Ferndale WA, Unocal Wilmington CA, Big West Bakersfield Ca, Lyondell Houston TX, Shell Deer Park TX; Hunt Oil, Irbil, Iraq
- SEVEN (Including 3 MM TONS/Year world's largest) FIELD GAS MEMBRANE CO2 SEPARATION/EOR
 - MODEC Offshore Brazil, BRE Offshore Malaysia, OGDC Pakistan, Kinder Morgan Caprock TX

EMPLOYMENT HISTORY

Kolodji Corporation (precursor CES)/ Black Swan, LLC, Bakersfield, California, *Principal* July 2015 – Current

- Patented, constructed, piloted Direct Air Capture (DAC)/Membrane pre-combustion/Sequestration technology

Wilbros (Tesoro/Philips Refinery), CA/LA, *Office Manager/ Senior Project Manager* April 2014 - January 2015

- Fast tracked Refinery Flare Header (\$100M), FCCU BFW, and BayArea Crude Pipeline Replacement Projects

UOP/MODEC, OXY, Chevron, Nextera, Hunt IL, CA, TX, *Facilities/Tech Director/Mgr/Eng* 2008-14

- FPSO Design/Constr/Float out/Comm Offshore Brazil- 3 MMTPY CO2/ 100 MBOPD/MMSCFD NG (\$B+)
- O&G facility engineering in CA/ND/TX, incl. detail design (\$1.1B) oil and sour gas production facilities, Iraq

PXP/BP/Englobal (Dupont)/Huntsman/Union Carbide; CA, TX, WV; *Mgr, Project /Senior Engineer* 1996-2005

- Supported Design Operation of high-risk petrochemical manufacturing processes (EO/PO/Acrolein/ MIC/An)
- Provided project/process engineering for operations/ turnarounds/ projects at petrochemical plants
- Directed/ Led HS&E, Process Safety, Risk Management Program Development/ Execution/ Implementation

Senior Project Manager, Process Dept Manager, Chief Process Engineer/ Process Engineer, 1981-96; 2005-12

- CA- Parsons (Expat Greece)/Jacobs/Fluor/Braun/PTS (TJCross/ProU)/ WorleyParsons/ Mustang
- KS- Black & Veatch/ Prichard; LA- Jacobs; TX- TPA; ARUP; KBR; WorleyParsons, GIE
- South Korea- Parsons, Samsung, and Hyundai (expat: Ulsan and Seoul); IL

EDUCATION/ CURRENT LICENSES/ CERTIFICATIONS/PASSPORT/PUBLICATIONS/PATENTS

- **University of Southern California, Los Angeles/ California State University, Bakersfield**
 - *Bachelors of Science- Chemical Engineering/ Project Management Certification*
- PE Chemical Engineer (Texas License # 91586, California License # CH4642), Passport expires 2033
- Simulation Trainer- CAMEO, ASPEN, PROMAX, UNISIM, SULSIM; Hysis, iPRSM, and ProII User
- "SRU Design through Startup", *Process Safety Progress*, 1993; "Safe SRU Design", *Sulphur*, 1996
- Seven 2020-24 Awarded Patents, three Pending, on membrane and nature-based DAC
- AIChE OSHA-PSM/Carbon Mgt Chair/ Keynote/ Presented in 2015 thru 2025, also Ag Soc of Am 2024
- Volunteer Fire Fighter, IVFD, WV; Appointed on CA Toxics Adv. Comm and RMPP Guidelines Comm.