

UPSTREAM

Pelican Energy offers a team of Engineers and Project Managers with extensive experience in the upstream sector of the oil and gas industry. Our team is equipped to support our customers with all of their project needs; from conceptual phase through start-up and commissioning. Our diverse experience helps us provide complete engineering, design/drafting, as well as procurement and construction management services for both offshore and onshore facilities. Pelican Energy is also a worldwide leader in the engineering and design/drafting of CO₂ Enhanced Oil Recovery Facilities. Our unique experience allows us to provide an unparalleled depth of solutions to your CO₂ EOR project needs.



PELICAN



Onshore * Offshore * Enhanced Oil Recovery

- Front End Engineering Design (FEED) Studies
- AFE Estimating for Overall Project Development and Costs
- Overall Field Development Plans Including Project Scoping and Design Basis
- Regulatory Compliance and Permit Packages
- Project Metric Controls and Reporting
- Process Simulation and Modeling
- Complete Detail Design of Onshore, Offshore and Enhanced Oil Recovery Facilities
- Process Equipment Debottlenecking and Troubleshooting
- Stress Analysis for All Piping Systems
- Structural Assessments Including Reinforced Concrete and Masonry Design
- Deep and Shallow Foundation Design
- Pile Structured Foundations
- Self-Standing to Multi-Pile Platform Design
- Structural Assessments and Surveys (Levels I, II and III)
- Lifting, Transportation and In-Place Analysis Including Load-Out and Tie-Down
- Vibration Analysis
- Office / Warehouse and Miscellaneous Building Design
- Power Generation and Power System Design
- Substations – High / Medium / Low Voltage Power System Design
- Connected and Demand Load Flow Studies
- MCC / Switchgear Design
- Lighting and Auxiliary Power Systems
- Grounding System Design
- Arc Flash Analysis
- Pneumatic, Electronic and Hydraulic Controls System Design
- Telecommunication Systems Design
- Cause and Effect / SAFE Charts – Safety System Design
- Alarm System Including Gas and Fire Detection / Control Systems
- Materials Procurement Services
- Construction Management and Support
- Facility Start-Up and Commissioning Support
- Laser Scanning for Plant As-Builts