

Available Service Offerings

- Forensic Engineering
- Litigation Support
- Deposition and Trial Support
- Accident Reconstruction
- Courtroom Presentations
- Technical Evidence Review
- Air Program Expert and Control Engineering
- Safety Engineering
- Environmental Engineering
- Production Engineering
- Process Engineering
- Regulatory Compliance Evaluations
- EHS Due Diligence
- EHS Auditing
- Risk Management
- Occupational Health Management

Employment

Inertia Consulting (Edmond, OK) – Owner/Managing Partner

07/2020 – Present

(Privately owned consulting firm specializing in HSE service provision primarily in the oil and gas industry)

HSE Engineer/Managing Partner/Owner

Company owner responsible for delivering fit-for-purpose/economic solutions to complex problems.

- Litigation support – forensic engineering on health, safety, environmental and risk related cases
 - Expert testimony, courtroom presentations, evidence review and analysis, case review
 - Regulatory analysis and applicability determinations
- Regulatory Liaison – coordinated meetings with regulatory officials, developed improved communications policies with agency management
- Professional speaker – public speaker and writer on HSE and risk related topics
- Responsible for developing and implementing EHS and Regulatory management systems designed for sustainable and effective compliance
- Deep-dive auditing of compliance programs/outcomes/challenges
- Development of company and resource specific solutions to help address challenges and/or gaps
- Air Permitting and Compliance Specialist

Blackbeard Holdings (Tulsa, OK)

10/2019 – 10/2022

(Private upstream O&G with \$1.9 billion in assets and <300 employees, service and midstream companies under management)

HSE Engineer/Manager

Top HSE position responsible for planning, implementing, and directing strategies and programs to ensure compliance with all applicable safety, health and environmental regulations and requirements. Role focuses on establishing a corporate strategy to reduce overall workplace accidents and incidents.

- Responsible for developing and implementing a global HSE management system designed for sustainable and effective compliance
- Ensure integration and communication across all company disciplines
- Design processes for all related HSE functionalities to ensure reliable execution and consistent quality
- Report to and support COO in all aspects of operational excellence
- Build and develop HSE team of professionals while maximizing their value to the organization
- Responsible for ensuring all compliance obligations and regulatory burdens are met sustainably
- Developed remedial process to reduce cost/barrel remedial expenses by **>50%**
- Internalized various compliance processes for cost saving of nearly **\$ 1 MM** annually

Tecolote Energy LLC (Tulsa, OK)

11/2016 – 10/2019

(Private equity backed, upstream O&G company with \$630 million in assets and <100 employees)

EHS&Regulatory Engineer/Manager (11/2016 – 10/2019)

Top EHS position responsible for planning, implementing, and directing strategies and programs to ensure compliance with all applicable safety, health and environmental regulations and requirements. Role focuses on

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establishing a corporate strategy to reduce overall workplace accidents and incidents.

- Responsible for developing and implementing a global EHS and Regulatory management system designed for sustainable and effective compliance
- Design process maps for all related functionalities to ensure reliable execution
- Manage all field level EHS employees to maximize their value to the organization
- Internalized permitting and reporting activities for cost savings of **\$ 500 k** annually
- Drove TRIR to zero within 1 year, MVA rate = 0 for 2 years

Production Engineer (11/2017 – 10/2019)

Oversee daily operation of well group, including well performance, planning, and supervising workover operations, and maximizing recovery utilizing a variety of artificial lift technologies. Responsible for design and implementation of subsurface equipment and surface facilities.

- Analyze, interpret, and optimize the performance of individual wells
- Identify wells for production enhancements, created over **\$ 5.1 MM** in uplift revenue in 2 years
- Maximize daily production and ultimate recovery from producing wells
- Development of surface production systems
- Determine most cost-effective artificial lift mechanisms for depleted wells, **managed >100 successful workover projects**
- Responsible for all plugging and abandonment projects, **plugged >80 wells**

Midstates Petroleum Company (Tulsa, OK)

1/2015 – 11/2016

(Publicly traded upstream O&G company with \$600 million in assets and 125 employees)

Environmental & Air Program Manager

Plans, manages, and directs company efforts relative to environmental compliance, air permitting, control strategies, and remedial obligations. Requires individuals with thorough knowledge of environmental regulations and the ability to communicate with and influence representatives from state, federal and local governments.

- Air Program Manager – developed and implemented air program from ground up covering all of Midstates' operations. Internalized all air permitting for cost saving of **\$ 1.3 MM** annually. Developed permitting and control strategies saving **\$ 4.5 MM** overall.
- Remediation Project Manager – Achieved company savings of **\$ 7.0 MM** within 18 months, closing over 30 open projects, and another 110 that arose during my tenure
- Environmental Team Manager – Designed and deployed compliance programs covering air, land, water, waste; built process to gauge overall program performance
- Process Simulation Expert – ProMax (v4.0) software utilization for calculation of tank emissions and control system design
- Engine Expert – Applied mass emission calculations of internal combustion engines as well as calculation of emissions using Caterpillar's Gas Engine Rating Pro (GERP)

Samson Resources (Tulsa, OK)

10/2012 – 1/2015

(Privately owned upstream O&G company with \$1.3 billion in assets and 1,000 employees)

Air Quality Program Manager

Plans, manages, and directs company efforts relative to air permitting, control strategies, and reporting obligations. Develop comprehensive company-wide program to achieve reliable and sustainable compliance.

- Air Quality, Permitting, and Process Simulation Expert – VMGSim (v7) software utilized for facilities and district engineering support, assisting in flash emission evaluations and vapor characterization for proper control equipment selection; deployed control strategy saving company **\$ 2.5 MM** over 2 years
- Tank Vapor Specialist – designed and implemented strategies to predict tank vapor mass flows and needed control solutions by basin/state and developed basin-specific flash curves for operational parameters
- Project Manager – particularly Quad Z/J/I and Quad O initiatives, including GHG, control tech runtime tracking and data capture, and emissions estimation techniques for actual emissions calculation

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- Engine Specialist – on engine compliance and emissions, stack test bid proposal development, stack test methods, and participate in assisting emissions challenges in field
- Regulatory and Compliance Process Design/Implementation Specialist – on permitting and compliance initiatives, strategy development, compliance metrics

Chesapeake Operating, Inc. (Shreveport, LA)

04/2009 – 09/2012

(Publicly traded upstream O&G company with \$4 billion in assets and over 3000 employees)

EHS Field Specialist

Assist in the implementation of EHS programs for operations in designated region. Continuously work with operations team to ensure long-term, sustainable programmatic implementation.

- Air Permitting and Compliance Specialist – provided support to operational endeavors to ensure compliance with state and federal regulations, ensuring field compliance requirements and strategies were effective
- Remediation Project Manager – closed over 100 remediation projects with company
- Regulatory Liaison – coordinated meetings with regulatory officials, developed improved communications policies with agency management
- EHS Contractor Manager – managed a team of contractors dedicated to helping Chesapeake comply with federal/state regulations
- Safety Program Field Specialist – conducted field audits to assess compliance
- Trainer - implemented and trained field personnel on all EHS programs

C-K Associates (Shreveport, LA)

11/2005 - 04/2009

(Private company with \$100 million in assets and 150 employees)

Environmental Scientist II

- Contract environmental and safety specialist focusing on air permitting, emissions calculations, compliance strategy development and execution, RMP development, and incident investigations
- Respond to incidents that occurred in my district, assist corporate HSE with accident investigations
- Assist in implementation of corporate led programs

Texas A&M University

05/2003 – 11/2005

- Graduate Researcher and laboratory professor

University of Texas, Tyler, TX - Undergraduate Researcher

09/1998 – 05/2003

- Undergraduate researcher and teacher

Education

Iowa State – Master’s Degree – Mechanical Engineering (focused on thermo and fluid dynamics) – 3.9 GPA

Texas A&M University – Master’s Degree – Biochemistry/Biophysics – 3.8 GPA

University of Texas at Tyler - B.S. (Chemistry, minor in Biology) - 3.4 GPA

Whitehouse HS – National Merit Scholar, Who’s Who Listed, Full Academic Scholarship Winner to University of Texas

Associations

- National Association of Forensic Engineers, National Association of Professional Engineers, American Gas Association, Texas Gas Association, Society of Petroleum Engineers, American Society of Safety Professionals

Governmental Agency Experience

- OSHA, EPA, ODEQ, TCEQ, LDEQ, WDEQ, NDDH, RRC, OCC