



Operating Plant and Systems Professionals

Inc. 'Your Increased Profitability is Our Bottom Line'

DAVID J. AGERTON, PhD SENIOR RISK AND INTEGRITY MANAGEMENT CONSULTANT

SUMMARY

Dave Agerton is a senior manager experienced in repair, integrity management, asset and risk management, engineering, construction and operations for oil and gas facilities and pipelines. Combines teamwork and commercial acumen to build relationships and deliver results. Known for effective communication, hands-on project management, sound analysis, strategic thinking, innovative solutions and mentoring.

Selected Accomplishments:

- Oversaw compliance of operator to a 3-yr. federal consent decree for integrity management.
- Developed and installed Greenfield FERC-regulated joint-venture transmission pipeline.
- Managed P&L and business development for five gas pipelines.
- Led campaign to repair damaged pipelines and platform.
- Tackled operating problems unique to liquid-rich, multi-diameter deepwater pipelines.
- Installed and hooked up offshore facilities

WORK HISTORY

FIT, Inc.

2015 – Present

Dave provides corrosion and risk management consulting services for FIT clients, drawing on his experience with both upstream and downstream operations.

Dave Agerton Consulting and Project Consulting Services®, Inc.

2010-Present

- Assemble and manage team of subject matter experts in pipeline corrosion, repair, GIS and leak detection for Independent Monitoring Contractor to oversee how an operator in complies with terms of a consent decree for pipeline facility risk assessment and integrity management.
- Develop successful job plans for modification and hydrotest of gas pipelines in Rusk County.
- Organized and developed risk register for construction of dual gas pipelines offshore BC, Canada.
- Expert assessment of issues related to Right-of-Way appropriation.

- Engaged major operators and shippers in ongoing technical study of practical ways to mitigate risk and consequence of hurricane damage at a key offshore pipeline and facility hub.
- Develop and deliver pipeline lectures and case studies for MBA students at Tulane, New Orleans.
- Advise Houston Technology Center clients on development strategy for game-changing technologies for compression, high-speed cladding and remote sensing of hydrocarbon leaks.

Enbridge Energy, Houston, TX

2005-2009

Manager, Special Projects and Engineering Specialist

- Led \$26m campaign in constrained market to assess and repair damaged pipelines and platforms by emphasizing safety and teamwork. Recognized for project management best practice.
- Developed strategy and hydraulic models to manage excess pipeline liquids from super rich gas in order to avoid deepwater production shut-ins and establish basis for facility expansion.
- Developed and tested innovative tools (pigs) to clean deepwater export lines while accommodating 70% change in pipe diameter—twice the current practice.
- Assessed technology and investment economics of LNG re-gas and trans-shipment terminals and convinced management to wait for market correction.
- Framed gas export options for Walker Ridge ultra-deepwater fields and analyzed ultimate strength of key hub platform to help win major deepwater project. Managed reserve evaluations.

Shell Gas Transmission, Houston, TX

2001-2004

Director, Business Development

- Managed 5 offshore gas pipelines to create and sustain value (\$24m NIAT/yr) and competitive advantage. Integrated processes with legal, operations, engineering, regulatory and finance. Cultivated successful long-term relationships with partners and customers.
- Developed plan to grow annual revenue \$4m using “Earn-The-Limit” approach, resolving complex liquids issues and shedding liability and facility charges.
- Added \$4m present value to gas connection deal by analysis of competitive options securing \$12m present value in new business. Favorably resolved \$4m dispute with partner.
- Led development of NaKika (*now Okeanos*) gas pipeline project through \$70 million capital approval to serve major hub development in 5400’ water.
- Developed novel hind-cast model for Shell Aviation to evaluate ways to mitigate risks of helicopter accidents by 50% and avoid costly fleet upgrade.

Shell Gas Products and Services, Houston, TX

1997-2000

Staff Project Manager

- Initiated, directed and completed development of \$100m FERC-regulated Garden Banks Gas Pipeline to gather gas and retrograde liquid from deepwater fields for 4 initial customers.
- Implemented innovative NGL quality bank, flex-firm service, 6-year minimum-bill credit bank, sub-sea delivery point take off, and access to multiple markets.
- Negotiated definitive agreements, including operating, interconnect, transmission, and with 25% partner Amerada Hess, an LLC agreement.
- Pled at FERC for non-jurisdictional declaratory order, held an Open Season and obtained timely certificate and tariff approvals.

- Completed construction and contracts on time and budget, as recognized by President's and team recognition awards. Integrated system into pipeline operating and administrative systems.

Other Roles at Shell:

1984-1996

- **Gas Trading.** Screened gas export options and negotiated connections for shelf fields. Provided economic and strategy analysis to support for gas trading, hedging and storage.
- **Oil Products.** Developed model to set tariffs in transportation planning. Temporary assignment in refining operations at Deer Park Complex
- **E&P, Project Engineer.**
 - Hooked up two facilities offshore CA. Devised \$14m incentive contract to cut production deferral and hook-up time despite arrival of incomplete facilities from Louisiana.
 - Planned and constructed award-winning "Seal Island" offshore Alaska N. Slope. Developed innovative plan to accelerate work, control risk, and reduce estimated cost by \$20m.
 - Managed production department budget and investment look-backs. Planned offshore exploration activity in environmentally sensitive, seasonal-ice areas offshore Alaska.

EDUCATION

- PhD, Engineering Systems Design: Ocean Engineering, Fluid Dynamics UNH, Durham, NH
- MS, Electrical (Systems) Engineering Rensselaer Polytechnic Institute, Hartford, CT
- BA, Engineering Trinity College, Hartford, CT

PROFESSIONAL AFFILIATIONS

- Registered Professional Engineer, Texas 63080
- National Association of Corrosion Engineers, NACE 445997
- American Society of Mechanical Engineers: Steering Committee for International Offshore Pipeline Forum, 2005-2012: Chair for sessions on pipeline operations and risk management. Developed workshops on project management and flow assurance.
- Society of Petroleum Engineers and Marine Technology Society
- Energy Advisor at Houston Technology Center

TRAINING AND DEVELOPMENT

Management:

- Executive Program, Jones Graduate School of Management, Rice University, Houston, TX
- Flippen Relational Leadership Training, Successful People Management and Team Leadership, Constraint Theory, Houston, TX

Technical (since 2009):

- **API 1173: Pipeline Facility Safety Management**, John Godfrey, (Clarion) Feb 2015
- **Onshore Pipeline Engineering**: Tom Miesner, Phil Hopkins & Roger King for Clarion
- Keys to Deepwater Project Management Success, ASME / Gordon Sterling, Galveston
- Operator and Contractor Perspectives on Managing Offshore Pipeline Projects, ASME
- Pipeline Project Management, Technical Toolboxes
- Pipeline Risk Management, W. Kent Muhlbauer (Clarion)
- **Pipeline Integrity Master Class**, Alan Murray, Pat Vieth, Phil Hopkins (Clarion), May 2012
- **U. S. Oil Pipeline Safety Regulations**, Tom Miesner, July 2012
- **Pipeline Repair Methods & In-Service Welding**, Bill Bruce, Feb. 2013

Financial, Technical and Project (at Shell):

- Negotiation, communication, project management and contracting strategy.

- Financial modeling, project profitability and risk. E&P economics.
- Pipeline Operations, engineering, design and construction; flow assurance;
- Deepwater pipeline design and construction.
- LNG terminal technology; risk management.

Publications

- **OTC**
- **Pipeline Pigging and Integrity Management Conference**