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Energy Sector

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WITT|O'BRIEN'S
CONTROL THE OUTCOME®

WHAT is it that we do?

We build *resilience* for Critical Infrastructures



-  **Energy**
 - Oil & Gas
 - Utilities
-  **Transportation**
 - Vessels & Ports
 - Rail
-  **Healthcare**
 - Hospitals, Healthcare Facilities
 - Public Health
-  **Education**
-  **Government**
 - Federal
 - State / Local

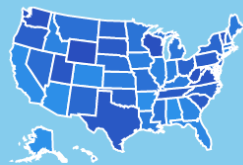
Resilience



**Witt O'Brien's
By the
Numbers**



Over the past 20 years, we have helped clients respond to over 1000 emergencies and crises



We provide key resilience services to more than 56% of oil & gas E&P and 53% of pipelines in the US



We help more than 40% of vessels sailing into every major port meet their resilience requirements



We have helped over 105 University campuses around the country, including a student population of nearly 2 million



Since 2001, we have helped governments, communities and business recover from 25/29 (86%) of US disasters with > \$1B in infrastructure damage - serving over two thirds of the US population.



Energy

- Oil & Gas
- Utilities

250+ O&G, Utility clients

Common activity with existing clients:

IMT Response, Training and Exercise coverage

Crisis Management – Business Continuity

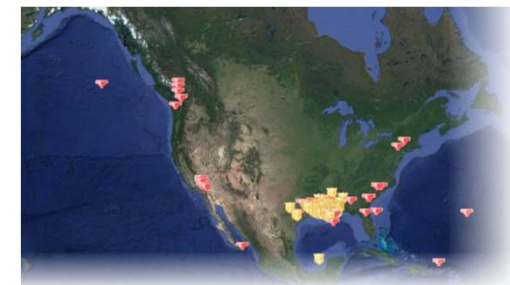
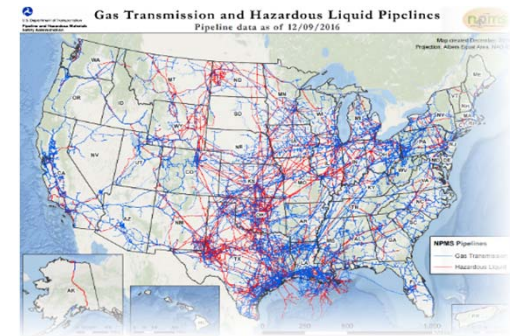
Resilience consulting

Preparedness, compliance consulting

Operational Risk Assessment

Due Diligence Advisement

WITT | O'BRIEN'S





Energy

- Oil & Gas
- Utilities

Existing Upstream, Midstream and Downstream Entities:

- Increased operational efficiencies through outsourced HSES preparedness and response programs
- Increased organizational resilience through comprehensive Health Safety Environmental and Security (HSES) preparedness and response programs.
- Time and cost savings through experienced and agency recognized emergency response management.

Private Equities, Money Sources, New O&G 's and pre/post A&D activity:

- Sustained A&D deal value through comprehensive preparedness and response programs led by *agency recognized* expertise.
- Pre-purchase Phase I's / II's and Environmental Site Assessments (ASTM E1527-13 or Industry Best Practice)
- Pre-purchase due diligence audits on Environmental Programs (compliance manuals, permits, etc);
- Physical Environmental Concerns
- Overall adherence to Compliance Regulations
- Post transaction cold eyes review of inherited/acquired assets, processes and operations.

For businesses that process or utilize Highly Hazardous Chemicals (HHC), Witt O'Brien's has the expertise to assist your organization in measuring the effectiveness of your **Process Safety Management (PSM) and Risk Management Planning (RMP)** programs to ensure that they are compliant with applicable portions of the Occupational Safety and Health Administration's (OSHA) 29 CFR 1910 and the Environmental Protection Agency's (EPA) 40 CFR Part 68.

Witt O'Brien's offers a wide range of on-site auditing services that examine all elements of the PSM and RMP programs, ranging from structure to implementation. With extensive hands-on experience and knowledge, our compliance audit practices rely on up-to-date Recognized and Generally Accepted Good Engineering Practices (RAGGEP). Our experts conduct compliance audits utilizing detailed protocols designed for specific industries which enable our auditors to be precise and efficient.

While working with your facility management and technical staff, a comprehensive PSM/RMP team-based gap analysis or compliance audit can be structured and implemented to develop appropriate and organized actions for program improvements.

Our comprehensive reviews also include a review of management programs, policies, and procedures and evaluate how each are implemented within a facility. New facility, new owner, new process, Witt O'Brien's is experienced and able to provide turnkey solutions.

Elements of PSM:

- Employee Participation
- Process Hazard Analysis
- Pre-Start Up Safety Review
- Training
- Mechanical Integrity
- Incident Investigation
- Trade Secrets
- Process Safety Information
- Change Management
- Operating Procedures
- Hot Work
- Contractor Safety
- Emergency Plan and Response
- Compliance Audit