

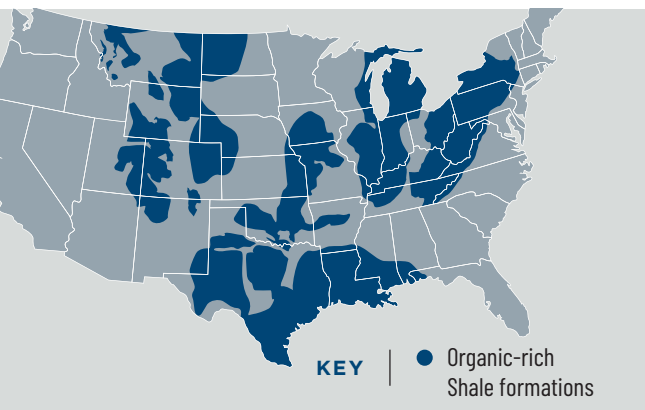


# ONSHORE OIL & GAS

INDUSTRY EXPERIENCE  
YOU CAN LEVERAGE

## UNCONVENTIONAL OVERVIEW

EDG has extensive experience throughout various shale plays where they support their clients through operations support needs, standard facility designs, asset optimization, and field development needs.



## INTEGRATED SOLUTIONS TO HELP SUPPORT ALL PHASES OF PROJECT DELIVERY

EDG tailors integrated customer solutions, pairing necessary expertise with budget requirements and project schedules to tackle project objectives and improve performance. We help customers reduce risk, improve safety, and save on operating costs with integrated solutions that maximize asset performance, optimize existing resources, and enhance project delivery. EDG's knowledge of working within numerous phase gate systems can help make your project ideas a reality.



### FULL-SERVICE ENGINEERING

- Process
- Mechanical
- Civil and Structural
- Architectural
- Electrical
- Instrumentation
- Automation and Controls
- Design and Drafting



### MANAGEMENT SERVICES

- Portfolio and Project Management
- Construction Management
- Safety Management
- Risk Management
- Information Management
- Asset Management
- Integrity Management
- Client Representation



### PROJECT SUPPORT SERVICES

- Project Controls
- Procurement and Contracting
- Document Control
- Vendor Surveillance
- Technology Services
- Regulatory and Permitting
- Commissioning and Startup Support





# STANDARD FACILITY DESIGN

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## PRODUCTION FACILITIES

- WELL PADS
- CENTRAL TANK BATTERIES
- HPU
- GATHERING STATIONS
- METERING & PUMPING

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## COMPRESSOR STATIONS

- EMD
- GAS

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## WATER SOLUTIONS

- SWD
- FRAC WATER
- PRODUCED WATER

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## UTILITIES

- FUEL GAS
- INSTRUMENT AIR COMPRESSORS
- ELECTRICAL SUBSTATIONS
- RENEWABLE SOLUTIONS

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## EQUIPMENT PACKAGES

- GPU
- HEATERS
- SEPARATIONS
- FLARE KNOCKOUT
- SLUG CATCHERS

LEVERAGE EDG'S HISTORY OF  
STANDARD FACILITY DESIGN  
TO HELP IMPROVE FIELD  
DEVELOPMENT EFFICIENCY.





# OPERATIONS SUPPORT

## SERVICES PROVIDED

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Documentation for Acquired Legacy Plants

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PSV Sizing Updates & Documentation

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0000a Certifications

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Replacement Valve Sizing

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Process Troubleshooting

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Drafting Support

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Standard Design MOCs

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Miscellaneous Process Optimization Studies

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Updated Designs to Enhance RVP

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Sulphur Removal

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Shop Inspection and QA / QC of Fabricated Items

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# AS BUILT WALKDOWNS

## P&IDS

- Provide facility documentation for newly acquired facilities
  - Provide timely information useful in brownfield expansions or modifications
  - Provide updates for regulatory purposes
  - Potential to catch “design issues” due to field modifications
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## PLOT PLANS

- Update site equipment locations
  - Updated area classifications due to facility upgrades over time
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## CAUSE & EFFECTS

- Provide insight into control & shutdown logic for acquired facilities
- Can vary greatly depending on original operator and / or previous modification

# EDG TECH

## TECHNOLOGY AND AUTOMATION UNLOCK THE VALUE

**STRENGTHEN YOUR BUSINESS WITH  
TECHNOLOGY AND AUTOMATION STRATEGIES  
THAT OPTIMIZE PROCESS PERFORMANCE,  
IMPROVE RELIABILITY, REDUCE COSTS, AND  
ENSURE SECURITY AND SAFETY.**

Let our technology-independent experts guide you to the right solution for your business.

### AUTOMATION SOLUTIONS

#### SYSTEMS INTEGRATION

- Process control and protective systems
- Manufacturing operational management systems
- Visualization platforms
- Security compliance
- Field instrumentation, sensors, analyzers, and Industrial Internet of Things (IIoT)
- Networks and telemetry systems

#### EMERGING OPERATIONAL TECHNOLOGY

### DIGITAL TWINs

#### DESIGN TWINs

- Design data availability and visualization
- Facility orientation and training
- Work order, inspection, and integrity solutions

#### OPERATIONAL TWINs

- Optimization and machine learning
- Predictive solutions
- Near-real-time scenario planning

### ASSET PERFORMANCE MANAGEMENT

- Operations readiness and asset integration
- Maintenance and reliability
- Asset performance optimization
- Integrity and assurance
- Computerized maintenance management system and master data
- Data science and analytics

#### CONTACT

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