



Bridging Gap among EPC Firms & Operator to Streamline Information Flow

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AGENDA

- Who We Are and What We Do
- Pipeline Project
- Current Challenges
- Current and Emerging Technologies
- Sabal Trail Story
- Q&A

Who We Are & What We Do

ENBRIDGE and GULF INTERSTATE ENGINEERING

ENBRIDGE— Who We Are



ENBRIDGE- What We Do

We help to fuel to the quality of millions of people everyday by connecting them with the energy they need.



Our liquids business

- 16,500 miles (28,000 km) of active pipe
- 3 million bpd capacity
- More than 100 unique commodity types



Our natural gas business

- 34,410 miles (55,200 km) of natural gas lines
- Moving 15% - 20% of North America's gas needs



Our renewables & transmission business

- 23 renewable projects in wind, solar, geothermal and waste heat recovery
- 2,800 megawatts generating capacity



Our gas distribution business

- 3.5 million customers across Enbridge Gas Distribution and Union Gas
- Servicing more than 500 different communities

GULF INTERSTATE ENGINEERING - Who We Are



Gulf Interstate Engineering and Gulf Interstate Field Services provide

full service

to the oil & gas industry.

GULF INTERSTATE ENGINEERING – What We Do

Production
Facilities
2,000,000
BPD

Storage
Terminals
1000,000,000
BBLs

Pipelines
100,000
Miles

Pump &
Compressor
Stations
5,000,000
HP

Cumulative
Design
Experience

everything
from the
wellhead to the
terminal.

PIPELINE PROJECT

The background of the slide is a topographic map. It features a color gradient from light orange at the top to dark blue at the bottom. The map shows various contour lines and a grid pattern, suggesting a geographical or engineering context. The text 'PIPELINE PROJECT' is centered in the upper left quadrant.

Pipeline Project

- **Major CAPEX**
- **EPC Firm and Operator**
- **Multiple Phases**
- **Numerous Stakeholders**
- **Information Exchange at Several Milestones**

CURRENT CHALLENGES

The background features a vibrant orange-to-red gradient with wavy, layered patterns. On the right side, there are blue and purple wavy shapes, some containing a faint grid pattern, suggesting a stylized map or data visualization.

Current Challenges

- **Different Perspectives**
- **Different Goals**
- **Efficiencies**
- **Uniformity of Data Standards**
- **Common Understanding of the Project**
- **Single Source of Truth**

CURRENT AND EMERGING TECHNOLOGIES

The background features a vibrant orange-to-red gradient with abstract, wavy, layered patterns in shades of orange, yellow, and blue. On the right side, there are intricate geometric patterns, including a grid and a circular motif, rendered in dark blue and purple tones.

Current and Emerging Technologies

- **GIS is at the Core**
- **Standardized Data Model**
- **Field Data Collection**
- **Internet Of Things (IOT)**
- **Drone2MAP**

Sabal Trail Pipeline Story



How We Overcome Challenges

- **Industry Standard Data Model**
- **Common Technology and Data Standards**
- **Early Engagement**
- **Exchange Formats**
- **Efficient Use of Investment and Resources**
- **One Source**

Questions & Answers

The background features a vibrant orange-to-red gradient with intricate, wavy, layered patterns. On the right side, there are blue and purple areas with a grid-like pattern, suggesting a map or a technical drawing. The overall aesthetic is modern and abstract.