

ENERGY

Infrastructure Business Increased Opportunistic Trucked-in NGL Volumes by 30%

11.5:1*Return on Investment***CHALLENGE**

Deliver higher throughput capacity

A North American energy infrastructure business operated an aging straddle plant together with more updated deep-cut facilities. The management team understood that higher throughput capacity alone would not guarantee the facilities' long-term viability. Audere Partners were asked to significantly improve the operability of this flagship facility.

OUR FINDINGS

Identified 7 items for improvement

- Compressor reliability and inlet flows contributed to unstable plant operations
- C2 recovery decline becomes a major operational stability issue when volumes are above 350MMscfd
- Process variations caused the product to be out of spec — in some cases, up to 30 percent of the time
- Fractionation train for trucked-in NGL unloading only 70 percent utilized
- 40 percent of maintenance hours did not capture on work orders, and not all history captured
- Perceived low levels of reliability by the customers hindered the organizations' ability to demand rate increases and more extensive volume commitments
- Key managers spent excessive time in meetings — for one manager, it was over 80 percent of his week.

SECTOR
Midstream

REFERENCE
22-ES

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IMPLEMENTATION

We focused on 5 areas of impact to remain competitive and navigate rapidly changing markets

Operational Processes

- Implemented an updated process to optimize the handling and unloading of opportunistic trucked-in NGL volumes to significantly increase the number of trucks handled daily while reducing overall waiting time
- Implemented new processes to improve cross-functional collaboration and decision-making between Commercial, Operations and Engineering

Process Stability

- Designed and delivered engineered solutions rapidly addressing excessive process variability to improve overall product quality, specs, and throughput

Commercial

- Conducted a full review of and negotiations with customers to update contracts that in many instances had T&C's/rates out of date

Work Management System

- Designed and implemented a Work Management System to enable greater productivity of maintenance resources and optimization of maintenance spend
- Developed and implemented new Key Performance Indicators to drive productivity, cross-functional collaboration and overall profitability
- Streamlined scheduled management meetings while also improving the effectiveness of those same meetings

Production Loss Accounting

- Developed and installed a more robust Production Loss Accounting System (PLAS) with better-defined accountabilities for the production process elements

RESULTS

All delivered at a **11.5:1 client ROI**

Annualized savings

\$23.1M

Increase in opportunistic trucked in NGL volumes

30%

Increase in raw gas volume throughput

20%

Increase in NGL trim blend sales volumes

30%

Increase in numbers of safety submissions and quality of submissions

400%

Improvement in overall safety performance

60%



“ I am surprised at both the quality and pace of results and benefits that were delivered

– GM Ops