

Let Data Save Transportation Costs & Drive Optimization

Identify Cost Optimization Opportunities in Trucking Logistics

Overview

Trucking is the least transparent and ratable mode of product movement in the Oil and Gas industry. However, it is a critical mode of transportation to service smaller facilities, because rail and pipelines may not be cost justified.

Industry practice by transportation companies (rail and truck) is to charge a "waiting fee" also called demurrage. Trucking companies will charge hourly fees for wait times beyond an agreed amount of time.

Determining the reason for additional costs can be a difficult task



Industry: Energy
Location: Calgary, AB
Size: 1,500+

Company Bio

Industry: NGL / Natural Gas
Midstream Fractionation
Facility Throughput: 490
MMCF/D
Location: Western Canada

*For large companies with many assets, a lack of visibility into supply chain constraints and costs limits value chain profitability overall**

*- Aspentech**

The Challenge

One of our clients' facilities is serviced entirely by truck. Previously a manual process was put in place to reconcile invoices against operations to identify any excess fees for which the client was not liable. To increase speed and reliability of analysis of cost optimization an Analytics Tool was required to:

- **Reconcile Terminal Management System (Terminal Boss) and Carrier Invoices**
- **Provide a visualization tool that quickly identifies anomalies in billing charges and facility operational interruptions.**

100%

Automated
Analytics
Platform

>\$100k/yr

Savings
Identified

40hrs

Saved per
Month

The Solution

With Raven Bay's expertise in data analytics and industry experience, our team developed a Power BI Report to provide our client with:

- **Data model that combined multiple data sources to extract relevant information to help with cost saving decisions.**
- **Data Visualization tool to quickly identify several items**
 - *Reconciled operational data with invoices, quickly identifying cost anomalies*
 - *Truck scheduling inside the plant (Time onsite, volume offloaded, truck count...etc.)*
 - *Determining the cause of the demurrage charges (Facility or Trucking Company)*

The Result

Raven Bay responded to the client's needs in monitoring and optimizing Truck Scheduling at their Processing Facility

The tool automated a cumbersome process and helped identify over \$100,000 in potential annual savings.

Additionally, the dashboard helped identify correlations between extra wait time charges and operational events. This could help identify other potential cost saving opportunities.

About Raven Bay

As a full-service management consulting and analytics firm able to deliver solutions in both the business & technical realms utilizing the same set of resources; thereby shortening delivery timelines and providing more holistic solutions for our clients. Our proven methodologies & hands-on experience enabling organizations to achieve the benefits of an effective analytics program through this offering also accelerate the development & value realization of the unique Governance Model we will create for you.