

# Data Leads to Powerful Insights for Safer Compliant Workplace

*There is no room for data lag when it comes to Environment, Health & Safety*

## Overview

A well planned Environment, Health and Safety (EHS) data analytics program can offer many benefits to a company by reducing incidents, identifying areas of risk, driving operation efficiencies and cost savings.

With significant advancements in technology, companies can now embrace the power of data to collect and analyze their EHS programs more effectively. However, many companies struggle with the challenges in engineering their data to drive meaningful and timely insights. Instead, many are stuck in making important decisions off of stale data.

Technology and digitalization are megatrends that are driving businesses to evolve their EHS programs to go from reporting on data to data analytics.



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

## The Challenge

For many years, our client has been relying on monthly tabular reports which meant that the EHS team's information can be delayed by up to a whole month, needed efforts in archiving past reports and they were only available in a PDF form. It was time for the EHS team to evolve into an advanced analytics tool that allowed the data to:

- **Be readily available at any time and anywhere for immediate consumption**
- **Provide real-time information to drive real-time decisions**
- **Evolve from monthly tabular Reporting to Analytics to drive informed decision making**

***"The world of safety is not lacking in data; in fact, it's drowning in it. We need smart data systems that allow us to apply our expertise in the most efficient way possible to keep workers safe."***

**EHS Today<sup>1</sup>**

**100%** Automated ETL & Analytics Solution



Readily Available Data via Online or Mobile



Data that's In Sync with Speed of your Business

## The Solution

The Raven Bay team worked with the client's EHS experts to provide a solution which addressed three key areas:

- **Business Analysis** - Understanding of what the requirements are from the client and capturing the core essence of the deliverables
- **Data Engineering** - Taking ambiguous data from an Enterprise Resource Planning (ERP) and converting it into a sound data model
- **Data Visualization** - Bringing data to life and providing valuable and timely insights on the KPI's for the EHS team through expertise in Business Intelligence

## The Result

Harnessing Raven Bay's expertise in Data Modeling and Business Intelligence our with corporate EHS experts elevated how EHS report was being delivered and consumed. The client is now able to:

- **Have an online analytics platform that enables EHS data to be available anytime and anywhere**
- **Enablement of filtering and drill-down of the Information for enhanced data consumption**
- **Up-to-Date data that speeds up the time between consuming the information and action plans**

### 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.