



# Leading Oil Company modernises SAP BW with hybrid analytics platform

Location  
USA, Global

Turnover:  
\$100 bn

Employees:  
50,000

Industry:  
■ Oil & Gas

Activities:  
■ Exploration  
■ Production  
■ Refining  
■ Transportation  
■ Marketing

Region:  
■ North America  
■ Middle East  
■ Africa  
■ Europe

Customer Since:  
2014

## The Business

A leading global energy company with operations in North America, Europe, the Middle East and Africa. The company main activities are Exploration & Production, Oil Sands Mining and Refining. These operations span the full array of processes covering the exploration, extraction, production and marketing of liquid hydrocarbon and natural gas (incl. LNG) products. The company's goal is to be recognized as the premier independent oil company through a strategy of operational excellence and delivering long-term shareholder value.

## The Challenge

The organisation wanted to re-use their significant data investment in the SAP Business Warehouse with non-SAP analytics platforms to provide the organisation with flexible enterprise self-service data discovery and BI capabilities.

Business usage was primarily in the upstream exploration and finance functions. There was also widespread demand in other business areas to access corporate data in the SAP for flexible and advanced usages that the legacy BI suite was not well suited to deliver.

With SAP BW being the primary reporting platform, the extensive portfolio of BEx queries represented trusted data sources that formed the foundation of business reporting across the organisation. There was a widespread desire to further analyse and process business data using external platforms in a flexible manner. The customer had recently upgraded to SAP BW 7.3 on HANA and needed connectivity that allowed an external data platform to re-use all key aspects of their BEx query portfolio while supporting direct integration with the SAP HANA in-memory platform. There was a recognition that while SAP HANA would deliver performance benefits, the bulk of reporting logic and query definition would remain within the existing SAP BW application framework.

## The Solution

“The solution from Agilexi allows us to instantly and easily re-use our SAP BW data model in a way that we haven’t been to do so before. Our business users particularly liked the intuitive and easy to use user interfaces.

BI Architect

From the initial Proof of Concept (PoC), it was clear to the customer that exposing the SAP BW data model to their non-SAP data platform provided a superior options to any of the standard configurations previously used. .

The key stages of the PoC were:

- Setting up a trial environment and integration of the target data platform with the customer’s SAP BW (sandbox) environment.
- The customer executed key business use cases to evaluate the signature capabilities of the data platform using a wide range of live BEx queries.
- The solution found to meet or exceed the customer’s requirements on key aspects such as ease of usage, performance, security and scalability.
- The solution was implemented in production to allow the business to seamlessly extend their SAP BW data model into the target data platform.

## Benefits

### Immediate Rol

Analysts, Data Scientists and Developers could directly analyse and create analytical applications on existing SAP BW queries and InfoProviders without the effort of additional query development or integration. Moreover, the investments made on the existing BEx queries and data models continued to deliver business value by powering analytical solutions implemented on the external data platform.

### Re-use of all BEx functionality

The solution allowed business users to re-use all aspects of the BEx framework, from quickly sourcing BEx queries to handling all variable types and structures within the query itself. End users could directly maintain BEx variables for their usage enabling a completely seamless transition from traditional BEx to state-of-the-art BI, data analytics and AI.

### Extend SAP BW data governance into data platform

The data platform could freely used with SAP BW while safely preserving all keys aspects of the existing SAP BW data governance such as analysis authorisations and other trusted SAP BW security concepts.

### Scalable architectire

Using SAP Certified integration, the overall solution provided a scalable and resilient analytics platform with no disruption to the existing SAP BW environment.

## About Agilexi

At Agilexi we help organisations using SAP to realise rapid business advantage using the state-of-the-art data warehousing, data analytics and AI capabilities of the Google Cloud Platform. We also advise on data strategy and helping customers transform their data into a strategic asset that unlocks better business outcomes.