



COSOL

Case Study

Anglo American

Globally Diverse Mining

- Copper - Chile
- Metallurgical Coal - Australia
- Thermal Coal - South Africa
- Nickel - Brazil

Product Solutions by COSOL

2019

Background

Anglo American PLC is a British multinational mining company based in Johannesburg, South Africa and London, United Kingdom. The company has operations in Africa, Asia, Australasia, Europe, North America, and South America.

Anglo American is currently in the process of undertaking a global standardization of its Enterprise Resource Planning (ERP) platform from Ellipse to SAP which commenced in 2017 with completion planned for 2020.

As part of the program, several SAP modules were introduced to the system landscape to support the redesigned business processes. This new system required conversion of data from the existing ERP system in order to support the new processes.

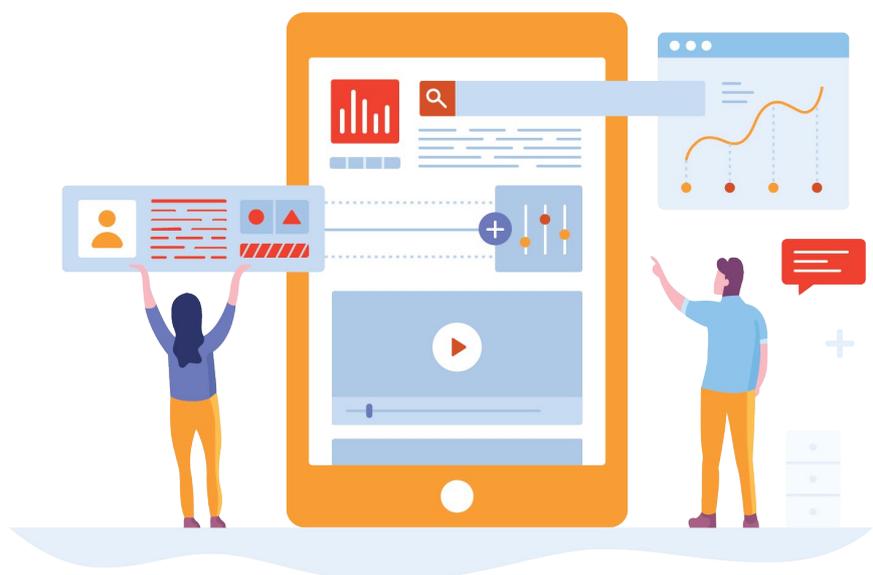
In addition, Anglo American required data from the existing production system and legacy Ellipse systems to be retained, while enabling the legacy systems themselves to be decommissioned.



Challenges

Anglo American was concerned that due to the quality of their data they would not be able to realise the benefits outlined in the business case for their new ERP investment.

Anglo American also has four global business units across Chile, Australia, South Africa and Brazil which have cultural, language and system configuration differences. COSOL's solution needed to cater for these unique challenges and take responsibility for the end-to-end data solution.





COSOL delivery

COSOL undertakes data assessments to determine the current state of the data in terms of quality and then delivers a functionally focused data cleansing and enrichment service that is completed in the source system by functional specialists.

These specialists understand the source system as well as the intricacies and impact to the current and future state business process. COSOL is uniquely qualified with experience and capability in both Ellipse and SAP to undertake this critical activity as a repeatable service for Anglo American.

COSOL's RPConnect® toolset provides data analysis and profiling that focuses cleansing and enrichment effort on key aspects of consolidation such as inventory, cost centres, equipment and employee data to remove duplication and to ensure the data is of high quality and aligned with Anglo American's data standards, whilst ensuring the integrity of the data is maintained across traditional functional silos.

COSOL has revolutionised the Extract-Transform-Load approach for ERP data migrations by investing in a robust, repeatable and auditable toolset (RPConnect®) to manage the end-to-end data migration process.

RPConnect® provides Anglo American with an out-of-the-box standard Ellipse to SAP data mapping, all but eliminating the effort required for the development of migration scripts and allows data analysts to configure and modify conversion scripts storing them in a managed repository to expedite repeatable data conversions with certainty of outcome.

This has resulted in a low risk, high quality outcome for Anglo American and ultimately has enabled them to realise the benefits of the new SAP ERP platform, populated with high quality, validated and cleansed data.

Finally, for Anglo American to be able to realise the benefits of their business case, the legacy systems must be decommissioned. In addition to its role during the project for data migration, RPConnect® also provides the legacy data storage repository that eliminates the requirement to continue licencing of all legacy systems, hence reducing requirements for support staff, vendor contracts and data centres, yet still providing access to data for legislative, regulatory and operational requirements.

Project summary

COSOL has delivered the end-to-end service for the Chile and Australian operations and the data assessment and consolidation activities for South Africa and Brazil.

The ability to translate Ellipse and SAP terminology into business relevant terms to assist in change management as well as to understand the impact of decisions during the project has provided significant value to Anglo American, ensuring that the focus is on high value areas and not detailed data cleansing activities.

Anglo American were able to reduce the management, licensing and operational costs significantly by decommissioning their obsolete Ellipse systems.

COSOL's RPConnect® solution also provided decision makers with an immediate view to accurate data and reports, as opposed to wasting weeks in searching for, securing and filtering the large volume of Anglo American's data.

Anglo American have safeguarded their valuable enterprise data so that any changes, upgrades or implementations in new systems driven by operational, statutory or regulatory priorities, can be embarked upon with the knowledge that RPConnect® has secured their future legacy system data.





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