



SUCCESS STORY

BP

„SNP brought both professionalism and dedication to the table for the merge of the AMI system into PRC. We are now engaged with them on multiple projects, including SAP carve-outs and migrations to S/4HANA, in order to realise our future SAP instance strategy.“

Ian Stubbings, Platform Engineering Lead, IT&S, BP plc

Automating and Accelerating SAP System Separation and Consolidation

About BP

BP (British Petrol) is a global energy business with wide reach across the world's energy system and operations in Europe, North and South America, Australasia, Asia and Africa. From deep sea to desert, from rigs to retail, BP finds and produce oil and gas, fuels and lubricants, wind power and natural biofuels for a changing world.

The Background

One of the key objectives of BP's Modernize IT strategy is to embed digital at the heart of BP's entire organisation in order to enable and drive intelligent business. An integral part of this is to rationalise and streamline BP's systems and data including within its SAP landscape.

One early component of the simplification of the SAP landscape was the consolidation of BP's Indonesian SAP petrochemicals system (AMI) into the global petrochemicals SAP ERP system (PRC). With our industry standard SAP transformation software and strong track record of SAP system transformation, SNP was invited to deliver the system consolidation on this key project.

The Challenge

The AMI system was created in 2013 as a result of a previous BP joint venture in Merak, Indonesia. This system was not integrated with the rest of the BP SAP landscape and was run locally by the BP Petrochemicals team in Indonesia (BPPI). End-of-service risks were identified and contingency planning was initiated in 2016. Faced with an ageing and unpatched SAP 4.6C system hosted locally on Windows 2003 and Oracle 10 and supported by minimal staff, a long-term sustainable plan was required.

As the AMI system was used to run a petrochemicals plant, the natural decision was to migrate and merge all the local operational and historical data into the existing global petrochemicals SAP ECC6 without the need to first upgrade the 4.6C legacy system. This would turn out to be a complex and challenging objective: the target system contained several disparate parts of the BP business operating a 24/7 service alongside the global petrochemicals business. In addition, due to strict governance procedures required by the American Financial Template (AFT) Design Authority, negotiating system downtime was not going to be easy!

The Solution

BP elected to use SNP's industry standard transformation software Transformation Backbone to simplify, accelerate and automate the carve-out of the entire AMI SAP application dataset and merge into the operational PRC system.

The pre-built SAP data model content in Transformation Backbone enabled integrity of design and a rapid build of the extraction of all in-scope BPPI master and transactional data (including full history) by cascading the company code selection through the hundreds of relevant SAP tables. This also allowed the data migration team to handle the complex requirement to consolidate the financial data into a single controlling area.

The customising and number range analysis and foreign key check components of the SNP software allowed the team to understand the system and application conflicts between the source and target environments and address them through in-flight data transformation to ensure that the merging of AMI data into the target environment was accurate and did not impact the businesses already running in PRC.

Finally, during go-live, despite network issues between Indonesia and the central system, the high performance of the transformation software enabled the data team to gain back time through accelerating the import of the data into the target system and ensured that the project were able to hand the system back to the BP businesses as intended and in line with the strict downtime restrictions.

The Advantages

- Full migration of all current and historical business data into an operational production system
- No requirement to upgrade the source system before migrating to target
- The transformation software ensured complete data integrity and avoids technical conflicts in the target
- In-flight transformation and automated controlling area consolidation
- Minimal downtime at cutover despite network issues

Business Benefits for BP

- BPPI business operates in a new ECC system with all "End of System Life" risks addressed.
- BPPI is now supported by the central IT&S team under a global support model and by Global Business Services for MDM, period end and reporting.
- Standardised and centralised data has enabled more efficient reporting to global Petrochemicals and downstream.
- BPPI can also now take advantage of all initiatives and functionality previously only available to its ECC based counterparts.