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About Sword

Lise Parker, is Sword UK's Data & AI Practice Lead. Lise has worked in the technology industry for more than 30 years. She is responsible for the ongoing development and delivery of data solutions that make a strategic difference to our customers in energy. Lise leads a team of certified data professionals who operate in a variety of industries across the UK.

We talked to Lise, the brain behind our intelligent modern data platform, Tillit. Lise explained to us the problems Tillit tackles for the energy industry and how it centralises data into a single source of truth, making data a trusted asset.



Lise Parker

Centralise data into a single point of truth with Tillit

What issues is the energy industry facing with their data?

Data quality is one of the main issues encountered by data-driven projects. Data management across multiple data source applications involves a degree of assessment. However, it is only when data is collected and exported for reporting that the quality of data becomes clear. Data-driven projects often trigger the development of new data validation processes that reside within core business applications such as EC or SAP.

Energy organisations often make decisions based on reports, such as monitoring forecasted production versus actual production. It's vital to understand the contributing data sources and manual interventions made at each stage. Most reporting is based on data from source applications, as well as multiple Excel spreadsheets.

Tillit is an automated framework that presents data as it is, and has capacity of showing where there are abnormalities, inaccuracies and incompleteness, bringing a new level of trust as decisions are made on data that is understood. Tillit removes the need for manual processes, which collects structured and un-structured data, such as production numbers provided in PDF files. As an intelligent modern data platform, Tillit offers validation, quality checks, and full lineage of the origin of the numbers on a report. A report based on data with many manual data entry points is less reliable than one compiled of automated, accurate, complete data from its' master source.

The timeliness of data collection is important, as contributing numbers may be hours or days old, while others are refreshed 'live'. The result is that a true 'live' picture may be difficult to get where manual entry is required, so the drive to enable automated data collection is fuelled by the need for confidence in data that transforms it into a trusted asset.

What is an intelligent modern data platform and what value does it bring?

When we think about traditional data platforms, it is likely they were built with basic functions to consume and transform data to build a report. Intelligent data platforms collect data from a range of systems and entry points and build reports with multiple components that can be used for cost-effective, useful capabilities.

By implementing an intelligent modern data platform such as Sword's Tillit, organisations gain confidence in their technology investments by making the most of modern cloud-enabled connections. Our customers use Tillit to streamline reporting in line with business requirements and connect data in ways that inform decision making beyond traditional manual methods. Ultimately, Tillit provides actionable insights to allow confidence in decision making. With this confidence, customers can make daily operational decisions that enable alignment to their strategy.

Tillit provides actionable insights to allow confidence in decision making

How does Tillit tackle energy industry issues?

Tillit can bring awareness to the burning issues that need attention.

We can show the time that data was collected, e.g. 9am today versus 2 days ago, so any number can be traced back to the source and a report's accuracy is transparent. This flagging feature allows focus on where it's needed most to make an impact on operational performance, rather than needing to spend time manually finding abnormalities.

We recently secured the Microsoft Analytics Advanced Specialisation, helping us to further demonstrate Sword's commitment to ensure customers benefit from our robust approach that turns complex data into a powerful, trusted, and valuable asset.

Where do customers receive their return on investment when using our Tillit framework?

Business operational cost reduction is the main area our customers value when reflecting on their investment in Tillit.

Our customers should expect to see a consolidated report of all daily production for both operated and non-operated assets. Reports should be available every morning and explain how their assets are doing and if set targets are being achieved or not. All this should be automated without manual intervention. Tillit delivers this and much more including, emission, losses, HES, POB, 7DP, and Operator Routes.

Technology alone is never the answer. We employ large numbers of certified engineers, with domain expertise, who understand what is needed in relevant energy industry reports, to propel customers on their data driven journey by putting data in the right hands at the right time.



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