



“We chose SAP Business One because it would help improve efficiencies within our operations, facilitate increased profitability, and comply with the robust legislation that governs the recycling industry. The potential to enhance the system to meet our changing needs as we expand in the future was an additional attraction. ISB completed the implementation on time and within budget.”

Chris Dow
Managing Director – Closed Loop Recycling



Closed Loop Recycling Success Story



The Situation

Closed Loop Recycling launched in 2008. With a large plant capable of recycling over 35,000 tonnes of food and non-food grade plastics (rHDPE/rPET) per annum, it is set to be the largest of its kind in South East England. With equity investment from the Foresight Group, the plant, based in Dagenham, has already been earmarked to be at the forefront of plastics recycling in London and commented upon as a significant move forward in the UK's ability to recycle plastics. (Source: WRAP)

Manufacturing Requirements – Recycling Know-How

Closed Loop Recycling is a manufacturing company and therefore the requirements were distinct. The company wanted a solution that would manage the purchase and delivery of supplies to its plant, book raw materials into stock, sort and issue to processing, check into quarantine and store in multiple warehouse locations, ready for sales to customers.

Traceability – A Key Component

The company had investigated a number of software vendors over an 18 month timeframe and had shortlisted a number of applications. The favourite on the short-list was a bespoke offshore solution a similar company to Closed Loop Recycling were working with in Germany. However, as a leading database technology vendor, this solution did not meet requirements in several areas – The ability to refine production as a flexible ongoing process, to install a simple production system and traceability of raw materials from supplier through to sales.

Traceability from the supplier is key in the “Closed Loop” process; it was also a stipulation of supply by Coca Cola, M&S and Nampak.

Project Deliverables – Simplicity

As this was to be the UK's first food grade plastics reprocessor, there were also a number of key deliverables, a large number of stakeholders were expecting great things from the plant in Dagenham and that was just the start. All eyes were on Closed Loop Recycling - The pressure was on to deliver.

Closed Loop Recycling Management Team had been speaking to ISB Global for some time; both operations and finance had been on site visits and had continued to communicate in order to ask questions on the suitability of the SAP Business One application.

The new solution needed to be a simple, easy to use system, have a defined workflow, which led easily from step-to-step; uniformity of screens that eliminated room for human error, alerted to breaches of user defined rules in the system, automatically numbered bags and loads; had a system in place for lab testing and quality analysis, could manage by-products from the re-manufacturing process and of course could trace raw materials from a Materials Recycling Facility (MRF) and be able to report back to the supplier on a number of statistics.



Further Requirements – Future Scalability

Closed Loop Recycling had also investigated a number of point-to-point solutions but decided it was preferential to implement an integrated system. And one that could be scalable to the five reprocessing plants planned in the forthcoming years. As a second plant location has been announced in North Wales set to be able to reprocess 50,000 tonnes of plastic.

SAP Business One lends itself incredibly well to a multi site, multi entity scenario, capable of managing several companies, all with a variety of different processes with consolidated management and stakeholder reporting.

ISB Global is incredibly well experienced at delivering projects of this type and in this vertical. Working to PRINCE2 Project Management and utilising SAP's Rapid Implementation Methodology as well as having critical waste and recycling knowledge gave ISB Global a prominent advantage.

As Closed Loop Recycling started to gain further confidence in SAP Business One, ISB Global and their distinguishable experience in the waste and recycling market. The solution became more and more attractive to them. Couple this with three overwhelming features – traceability (as standard) and an integrated functionally-rich solution, the ability to adapt production in the system as their operations grew and diversified. And the experience of working in waste and recycling. Consequently ISB Global won the contract in late Summer of 2008.

SAP Business One and WR1

SAP Business One is a fully integrated business management software application. It is built on world class technology software - SAP, the largest business management software company in the world. It is a full ERP system that integrates all functional areas for a small to midsize companies. Accounts, Financials, Customer Service and Relationship Management, Sales and Purchase Order Processing, Stock, Warehousing, Supply Chain and Manufacturing for reprocessing and recycling companies.



WR1 is the waste and recycling Add On developed by ISB Global within SAP Business One's Software Development Kit (SDK). This has been certified by SAP and ISB Global has been awarded the prominent position of Global Software Services Partner (SSP). It aids in the complex management of Customers and Suppliers, Job and Order Scheduling, Multi-Waste Classifications, Vehicle and Route Management, Weighbridge Integration, Telemetry, Service Delivery and Depot Management, Reporting and Compliance Management, Confirmation, Invoicing, Reporting and Business Intelligence.



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