

SAP, Waste & Recycling One providing the foundation required to help manage the Circular Economy



Materials & Resources



Technical Nutrients
Biological Nutrients



How can ISB Global & SAP help?

SAP, WR1 & RiDx - Managing Resources through the Circular Economy

ISB Global SAP & WR1 provides a Networked Supply Chain with total visibility and control of cradle to cradle material and financial operations; supporting transactional clarity between operating entities in the new Circular Economy.

Understanding the Circular Supply Chain

ISB Global's Supply Chain Modelling tool helps you understand supply chain networks; aiding decision making on inventory levels and transport costs and providing insight into the national supply chain.

The system factors in forecasted and actual lead times, along with supply and demand volumes by location, to help identify optimal material flows within a growing supply chain network; delivering long-term cost savings to the planning entity.

Material Flow in the Circular Supply Chain

Comprehensive customer and supplier master data helps administer work orders, materials planning and scheduling.

Raw materials can be traced from source, throughout the supply chain. The capture of value-added activities and management of asset lifecycles supports quality management and adherence to legislation for organic, man-made or hazardous materials.

Managing Price Volatility

The monitoring of movements, material value and price is controlled by the broking entity (EG. the local authority); who can administer individual item pricing on a contracted material and weight basis.

A margin can be placed on the job order transactions to facilitate funding for the materials movement process and commodity pricing can be fed directly to SAP from external indexes. Material flows are managed between multiple entities and can be monitored for optimum supply, lead-time and capacity.

Trading Between Entities

SAP, WR1 controls the core master data relating to both customer and supplier. This data is made available to partner organisations in the supply chain via the RiDx Portal, providing integrated sales and purchase order transactions, materials flow and documentation systems.

Building the Cohesive Network

Each council operates a service brokerage 'hub' for jobs; merging material streams and either managing internally or brokering services for the collection and transport of materials. Services are allocated to partners based on the relevant stage of the reprocessing cycle and in accordance with supply and demand from the nationwide model.

Operational and transactional data is shared between business partner entities, whilst sensitive data is kept securely in the back-office for each individual legal entity.

Traceable, Auditable Materials

Every movement of materials, whether commercial or industrial, is traceable by a number of methods: work order, work order row, material batch and asset serial numbering. Materials are then monitored as they move through the supply chain; from schedule to collection, depot to bulk transfer to reprocessing.

The same methods can be applied to parts for leasing, refurbishment and reuse; managing the parts lifecycle and the extraction of equipment for materials reprocessing when a part has reached end-of-life.

SAP Business Management Software

SAP, the largest business management software company in the world, is trusted by councils and local authorities, who have large user numbers and complex workflows, to provide them with compliant, multi-functional finance applications.

ISB Global has developed the pre-integrated Waste & Recycling One (WR1) add on for SAP Business One; complimented by the SmartWorld toolkit. The Resource Information Data Exchange (RiDx) platform, part of the web toolkit, is an online portal used to monitor transactions between trading entities.

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