



AMCS Case Study

LANG RECYCLING, Germany

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Gaining intelligent insights with RSBI to better manage their massive inventory in real-time has helped Lang Recycling reduce their warehouse inventory by around 25%, creating real savings in their cost of capital.

A brief overview of LANG Recycling

Lang Recycling stands for smart solutions in metal recycling. They offer industrial to medium-sized business customers individualized disposal concepts, which they are able to implement through carefully planned processes. In this way, they can deliver their customers a real added value while at the same time protecting the environment.

They do this by focusing on planning and an adaptive, intelligent approach to creating ideal conditions for their customers so that industrial companies can dispose of metallic residues better, melting companies receive superior products and recycling companies can benefit from optimal efficiency. Lang Recycling's overarching goal is to give their customers more service, more economic value, more variety, more safety, and more sustainability.

The company currently employs around 200 people and recycles approximately 700,000 tons of metal scrap per year. Over the past few years, Lang Recycling has recycled over 400 different types of scrap metal. Their Managing Director, Maximillian Lang, sat down with us to talk about how the AMCS advanced Business Intelligence solution (RSBI) is helping them to better control their inventory

Taking control of a large and variable inventory

As Lang explains, while the technical equipment they use in the business is important, the system performance plays a prominent role in how they design their processes. How those processes are designed helps to define the added value that Lang Recycling can deliver. "We are of the opinion that we create additional value for our customers when we can go a step further into the details," says Lang.

Recycling more than 400 different types of scrap metal is an enormous challenge in terms of inventory assessment and management. "In the past, our records were written down manually on slips of paper and later added to AMCS. As a result, our inventories were not updated every day, which exposed us to additional costs," he told us.

Because inventory – in terms of both quantity and in-process category – is one of the most important control variables for Lang Recycling, they wanted a way to track everything in real-time. Lang adds, "We were also aware of the fact that there was a lot of capital in our inventories and we wanted to manage it more actively."

“Over 400 different types of scrap metal presents an enormous challenge for our employees in terms of inventory assessment and management. We were also aware of the fact that there was a lot of capital in our inventories and we wanted to manage it more actively.

– Maximillian Lang, Managing Director



[Watch video interview with LANG Recycling](#)

The significance of real-time business insights

Lang Recycling's Production & Warehouse Manager Alexander Schmidt tells us, "It's important to work with specialized software so that any new development idea or trend can be immediately adopted by everyone to integrate it further. A very significant factor in our industry is the transparency of business insights. This means that the inputs of the material must be analyzed as quickly as possible." It is crucial for the business that they can see where materials will go and where the value will be added in the process until they go out again.

"AMCS has provided us with these insights," Schmidt adds. "Now we can follow the complete journey for every material that comes into the sorting process." This has allowed them to immediately detect any errors that may have been made before the record is finalized. An additional advantage is an opportunity that brings for identifying potential training needs, such as when there are common errors that operators make.

Being able to see clearly how materials flow through the business process in real-time is not only improving operational efficiency; it also gives them more ability to protect and expand the margins so the company can continue to offer more service and more value. In addition, for a company where inventory is key, better management and control means a real reduction of their business risks.

Real savings in cost of capital

Lang Recycling's access to relevant business insights has increased enormously since real-time inventory levels became visible in the system. According to Eduard Panaset, IT manager at Lang Recycling, the AMCS mobile reporting app and Business Intelligence solution RSBI was the first step on their way to digitalization and solving their inventory insights problems. The mobile reporting app enables employees to record and document inventory movements while on the move and as they happen, while the Business Intelligence solution makes it easier to make forecasts that are much better aligned to the sales flows.

The real-time inventory data and business insights have allowed Lang Recycling to react more quickly and flexibly to shifts in the market. The improvement in data quality provided by the Business Intelligence solution is helping them to significantly speed up processes so that every business decision can be made based on reliable and sound information.

"By using mobile reporting and AMCS RSBI, we were able to reduce our warehouse inventory by about 25%," Lang says. "As a result, we were able to save around 40,000 euros in cost of capital." Because this real-time, intelligent optimization has brought them high-quality and readily available insights into their inventory management processes, they now also hold regular position management meetings. According to Lang, this has helped tremendously in raising employee awareness of the amount of capital that is tied up in inventories as well as improving the overall inventory transparency.

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