

Case Study

Commonwealth Rolled Products | North America | Manufacturing

Enhancing Sustainability in Aluminum Manufacturing with Commonwealth Rolled Products

Turning lifecycle data into sustainable action

The challenge

Commonwealth Rolled Products (CRP), a Kentucky-based manufacturer of aluminium rolled products, identified the need for a Life Cycle Assessment (LCA) to evaluate the environmental impacts of its products from raw material extraction through disposal. The assessment would help identify opportunities for improvement, strengthen environmental performance and advance CRP's decarbonization strategy while supporting its journey toward Aluminum Stewardship Initiative (ASI) certification.

The approach

dss+ began by ensuring the Life Cycle Assessment (LCA) aligned with international standards and was supported by scientific and technically robust methods. From there, dss+ implemented a three-phase assessment of Commonwealth Rolled Products' aluminium products, combining an embedded project team with a Materiality Assessment to identify and evaluate priority issues. The team gathered and organized the data, developed an initial report for CRP's review, and delivered a final tailored report to strengthen the organization's sustainability strategy and reporting.

Impact on the ground

Mapped emissions across CRP's value chain	Identified opportunities to reduce emissions and costs	Strengthened decarbonization and progress toward ASI certification

The inflection point

"This work transformed lifecycle data into actionable insights, helping the organization identify decarbonization opportunities and strengthen its sustainability strategy."

Matt Baker
Director, Industrials & Manufacturing Leader



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