html

Carbon Footprint Dashboard

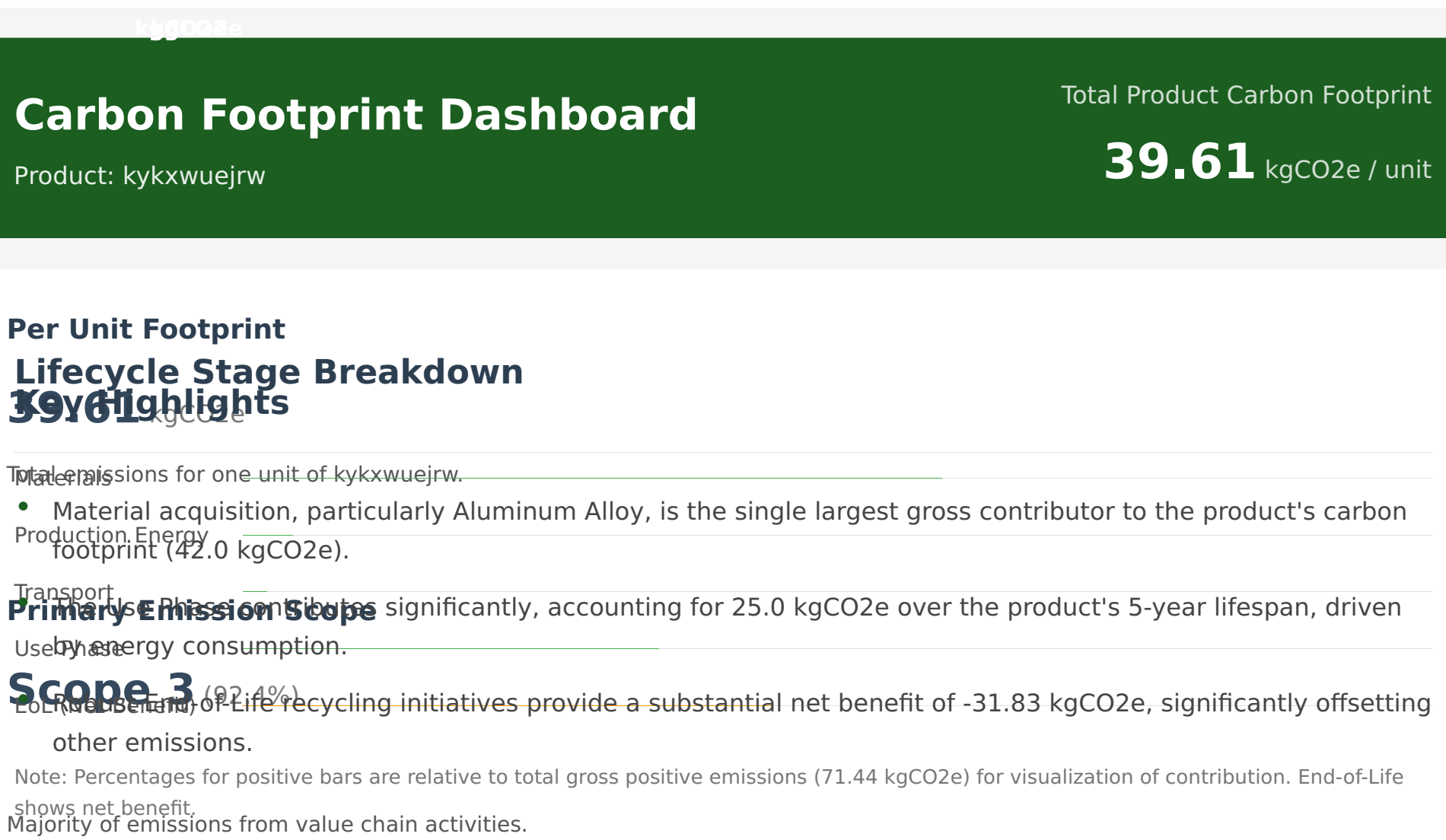
Product: kykxwuejrw

Total Product Carbon Footprint

39.61 kgCO2e / unit

Per Unit Footprint

Lifecycle Stage Breakdown



Key Highlights

39.61 kgCO2e

Total emissions for one unit of kykxwuejrw.

Primary Emission Scope

Scope 3 (92.4%)

Majority of emissions from value chain activities.

- Material acquisition, particularly Aluminum Alloy, is the single largest gross contributor to the product's carbon footprint (42.0 kgCO2e).
- The Use Phase contributes significantly, accounting for 25.0 kgCO2e over the product's 5-year lifespan, driven by energy consumption.
- End-of-Life recycling initiatives provide a substantial net benefit of -31.83 kgCO2e, significantly offsetting other emissions.

Note: Percentages for positive bars are relative to total gross positive emissions (71.44 kgCO2e) for visualization of contribution. End-of-Life shows net benefit.

Action Plan for Reduction

2. **Material Optimization:** Explore lower-carbon alternatives or increase recycled content for high-impact materials like aluminum.
4. **Energy Efficiency in Use:** Design the product for greater energy efficiency during its operational lifetime.
6. **Circular Economy Initiatives:** Enhance and expand take-back and recycling programs to maximize material recovery benefits.
8. **Renewable Energy Procurement:** Increase the percentage of renewable energy used at the manufacturing facility.
10. **Logistics Optimization:** Optimize transport routes and modes to reduce inbound and outbound logistics emissions.