



# Life Cycle Assessment Tailored for Linde Material Handling GmbH

We tested and certified a methodology for conducting **Life Cycle Assessment** developed by Linde Material Handling GmbH in cooperation with the Fraunhofer Institute for Building Physics IBP.

## Basic Facts

Client	Linde Material Handling GmbH
Timeframe	2014 – present, recertification every 2 years
Project Location	Aschaffenburg, Germany
Main Services	Critical examination of a Life Cycle Assessment methodology
Standards	DIN EN ISO 14040:2009, DIN EN ISO 14044:2018

### INITIAL SITUATION, REQUIREMENTS

Aiming at continuously improving corporate environmental targets and reducing further environmental impact, Linde Material Handling GmbH carried out systematic analysis of the entire life cycle of selected product series. The methodology was tested and **certified** by our experienced sustainability experts. The newly developed Life Cycle Assessment procedure identifies environmental hotspots in products and production processes and serves to implement sustainability strategies.

### SOLUTIONS, RESULTS

Linde Material Handling GmbH asked us to independently test and certify its Life Cycle Assessment (LCA)

methodology in order to ensure conformity with applicable standards. During the inspections, our experts were able to determine that the Life Cycle Assessment method developed for selected industrial trucks in accordance with the DIN EN ISO 14040 and DIN EN ISO 14044 standards is scientifically sound and corresponds to the current state of the art. The approach and principles of the methodology are well suited for assessing and optimizing environmental impacts. We recommend that this methodology continue to be adapted in line with scientific and technological developments and that the method report be updated accordingly.

#### BENEFITS FOR THE CLIENT

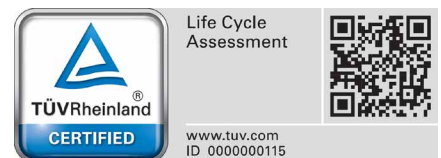
With the help of our professional testing and certification, Linde Material Handling GmbH was able to optimally demonstrate the effectiveness of its tailor-made Life Cycle Assessment methodology. The certified methodology has enabled the company to achieve their goal of sustainably reducing the environmental impact of their products.

#### DID YOU KNOW?

Linde Material Handling GmbH develops high-performance material flow solutions tailored to benefit individual customers with a sustainable competitive edge. As one of the world's largest manufacturers of forklift trucks and warehouse equipment, the company has been setting the standards in solutions for industrial trucks, fleet management, driver assistance systems and service offerings for more than 50 years.

### ABOUT TÜV RHEINLAND

TÜV Rheinland is one of the world's leading independent testing service providers with over 140 years of tradition. We provide testing and certifications for technical systems, products and services, and oversee projects and design processes. TÜV Rheinland has been a member of the United Nations Global Compact for greater sustainability and against corruption since 2006. Our experts have many years of experience in the preparation and review of Life Cycle Assessments, Carbon Footprints and Environmental Product Declarations (EPDs).



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