



# Effective DMK Deutsches Milchkontor GmbH Life Cycle Assessment (LCA) Methodology

In 2012, we prepared the Life Cycle Assessment for DMK from which the optimization potential for the 2020 sustainability strategy was developed in further cooperation. We also reviewed the in-house developed LCA methodology.

## Basic Facts

Client	DMK Deutsches Milchkontor GmbH
Timeframe	2012 - 2017
Project Location	Zeven, Germany
Main Services	Life Cycle Assessment (LCA), Product Environmental Footprint
Standards	DIN EN ISO 14040:2009, DIN EN ISO 14044:2018, DIN EN ISO 14044:2006

## INITIAL SITUATION, REQUIREMENTS

Aiming to continuously improve corporate environmental goals and reduce further environmental impacts, DMK has engaged our experts to conduct a systematic analysis of the entire life cycle of selected products and to create a Product Environmental Footprint. Our **Life Cycle Assessment** serves to identify major environmental impacts of products as well as production processes and to implement sustainability strategies during development.

## SOLUTIONS, RESULTS

The analysis of the environmental categories showed that the production of raw milk in particular significantly

influences products. Based on the results of the Life Cycle Assessment, **DMK** can optimize this step, which is mainly determined by animal husbandry and feed production. In addition to reducing the effects at the raw milk production stage, energy savings and diminished losses at the plant level will also make an important contribution to improving the Life Cycle Assessment of the products manufactured. Our independent experts determined that the DMK implemented Life Cycle Assessment methodology was prepared in accordance with the DIN EN ISO 14040:2009 and DIN EN ISO 14044:2006 standards and deemed it scientifically sound. The methodology now reflects the state of the art and is suitable for dairy products.

### BENEFITS FOR THE CLIENT

With our Life Cycle Assessment study and our Product Environmental Footprint, possible effects on the environment were identified and could be optimally reduced. Our professional support provides an effective instrument for the sustainable optimization of products and processes.

### DID YOU KNOW?

As Germany's largest dairy cooperative with around 7,700 employees at more than 20 locations, the DMK Group annually processes more than 8 billion kilograms of milk into high-quality food products. The product portfolio includes cheese, dairy products and ingredients, baby food, ice cream and health products. As one of the largest suppliers to the German retail food trade with sales of 5.6 billion Euro, the DMK Group is one of Europe's leading dairy companies.

## ABOUT TÜV RHEINLAND

TÜV Rheinland is one of the world's leading independent testing service providers with over 140 years of tradition. Our experts test technical systems, products and services as well as accompany projects and design processes for companies. 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 preparing and auditing Life Cycle Assessments, Carbon Footprints, and Environmental Product Declarations (EPDs).

## LEARN MORE ABOUT OUR SERVICES FOR THE ENVIRONMENT AND SUSTAINABILITY!

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