OUR CALCULATION PRINCIPLES

BUILT ON THE EU PRODUCT ENVIRONMENTAL FOOTPRINT (PEF) METHOD

MÅLBAR

ONE MODEL. ANY PRODUCT

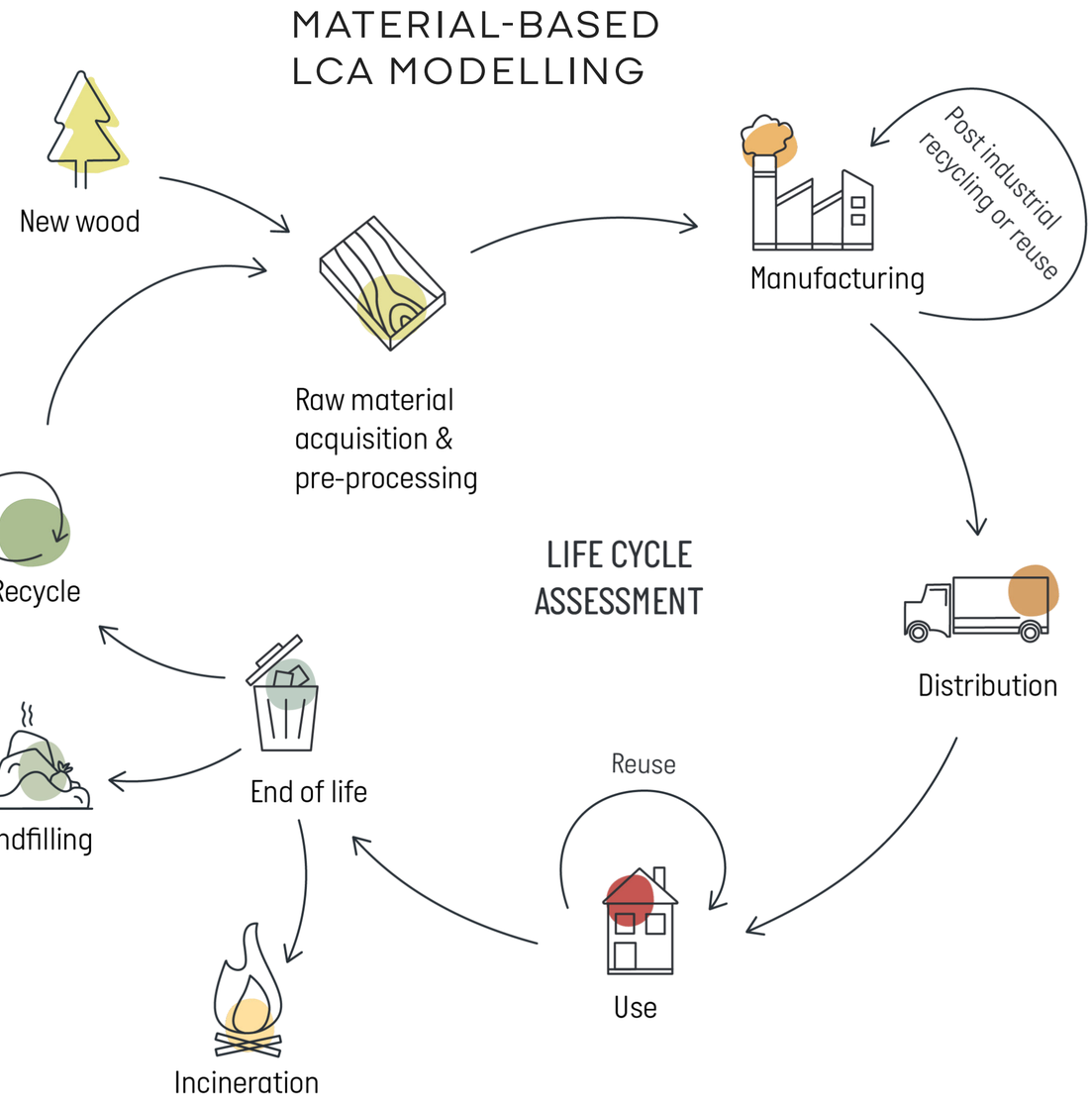
Our calculations are built to calculate the footprint of industrially produced products, regardless of what they're made from or how many components go into them.

You provide the data: materials, production steps, suppliers.
The Målbar LCA platform handles the calculation and hands you a climate result you can use.

Make one product LCA or as many as you want: new variants, new materials, new suppliers, the model scales with you.

THE PRINCIPLES BEHIND THE MODEL

- Recognised LCA databases like EF3.1 and Ecoinvent
- Weight-or-volume transport allocation automatically
- Supplier-verified electricity data used over generic grid averages, where available
- Defined system boundaries
- Material and manufacturing-specific modelling logic
- Transparent and documented assumptions





RAW MATERIAL PRODUCTION

The transformation from raw material to pre-processed input, ready for your tier 1 supplier, including the transport between each processing step. Modelled on Ecoinvent 3.11 and EF3.1 datasets, with material-specific processing factors rather than generic averages.



PRODUCT MANUFACTURING

The final processes before a finished product exists. Assembly and finishing, typically at the tier 1 supplier or the brand's own production site. Modelled using supplier-verified electricity data where available, instead of generic grid averages.



TRANSPORT & DISTRIBUTION

Storage and movement across the supply chain, from distribution centres to customers. Allocated by whichever variable actually constrains the shipment; weight or volume. Not weight by default. For bulky, lightweight products that changes the result materially. Road, sea, rail and air included where data allows.



USE PHASE

Energy used across a product's lifetime. Standby and operational electricity, based on documented lifetime assumptions and published European reference studies.



END-OF-LIFE

Recycling, incineration and landfill. Modelled with statistical waste treatment data, product specific recycling rates and the Circular Footprint Formula, so recycling benefits are allocated consistently.

READ MORE ABOUT OUR PRINCIPLES
MAALBAR.DK