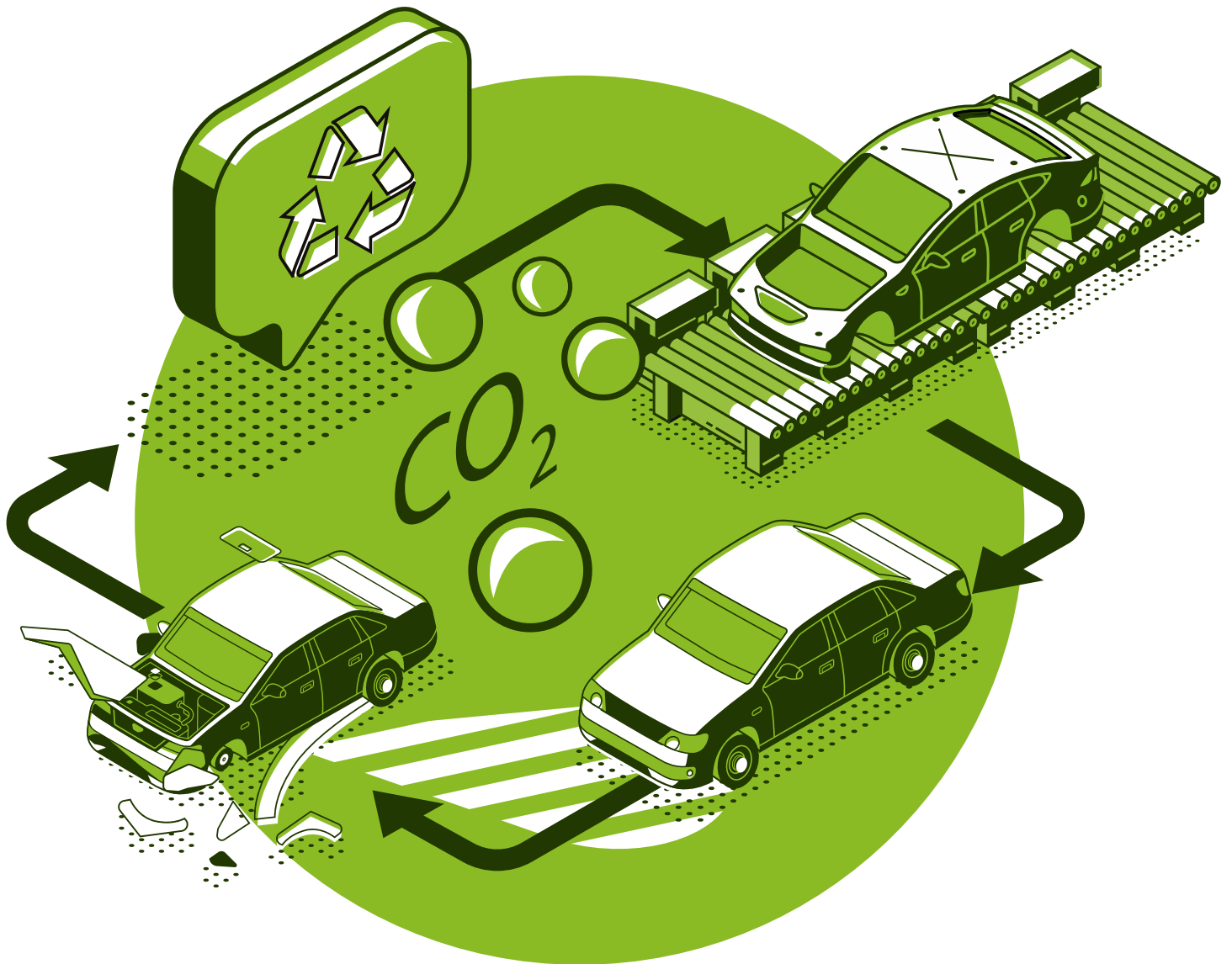


# Pragmatic Product Carbon Footprint & Life Cycle Assessment



We advise you in the increasingly important field of sustainability of your products and technologies to comply with requirements and norms and to open up new perspectives along your entire value chain

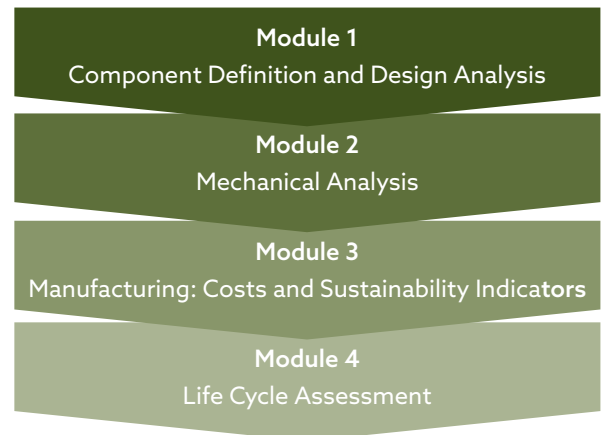
# Pragmatic Product Carbon Footprint & Life Cycle Assessment

Are you already familiar with the methods to calculate eco KPI's? Did you know that there is also a pragmatic way to indicate the production carbon footprint to e.g. derive material and technology benchmarks with low effort? Let's talk about it!

## Our Offer

- Development of component concepts and corresponding production concepts including required production equipment
- Modeling of one or several process chain scenarios using the Conbility OPLYSIS-eco software
- Search for input data of reference technologies, including expert interviews
- Pragmatic scenario-based cost and carbon footprint assessment, including sensitivity analysis to identify key drivers
- Beyond the pragmatic carbon footprint assessment, we also support your holistic LCA with our modular approach

In cooperation with dedicated partners, we developed a modular approach for LCA support with multidisciplinary expertise:



## Your Benefits

- Pragmatic assessment of carbon footprint with focus on production including logistics
- Holistic LCA-supporting consulting for vehicle applications with our partner fka

## Our Expertise

As a one-stop shop for market and technology know-how, the AZL brings together experts and decision makers from academia and industry of all positions in the value chain, to support business and technology development. Located in the heart of one of the leading high-tech ecosystems, RWTH Aachen University, AZL assists in the development, benchmarking and improvement of composite-based multi-material technologies. In addition, the AZL Partnership frameworks offer access to an open innovation network of more than 80 international companies to find solutions for industrial implementation and establishment of lightweight technologies in the market.

### Our Assets related to CO<sub>2</sub>-Footprint and LCA

#### AZL Aachen GmbH

- Management, organization, contracting
- Structural concept design
- Material and production processes

#### Conbility

- Modelling of production scenarios
- Assessment of production cost and sustainability KPIs

#### fka

- Application and automotive market intelligence
- Experienced and practical approach to life cycle assessment for transportation



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