



Environmental sustainability assessment of products and processes

Transform environmental challenges into strategic opportunities with comprehensive assessments that drive sustainability and innovation across your processes and products.

BACKGROUND

In today's competitive and environmentally conscious market, understanding the environmental impact of your products or processes is crucial. Implementing sustainability assessments, even already in the development phase, can reveal environmental impact hot spots in your processes, support the design of more sustainable products ("sustainable by design") and reduce costs. Our environmental assessment services equip your business with the insights needed to achieve and maintain ecological responsibility and compliance.

TECHNOLOGY

Our assessments typically involve a collaborative approach, starting with a detailed definition of the scope and objectives of the assessment. We work closely with your team to gather necessary data on energy use, materials, and emissions. We use and build on an in-house tool which was specifically designed with multi-stage biotechnological processes in mind and developed with our partner STRATECO OG. Collaboratively we assess and interpret the environmental impacts. The findings are then compiled into a comprehensive report, which includes actionable insights and recommendations for improving environmental performance. We ensure ongoing communication and support throughout the process to address any questions

OFFER

Green Metrics, GHG Emissions & Environmental Footprint Measurement

- Quantify green metrics (PMI, WARIEN etc.), total greenhouse gas emissions and ecological footprint (SPI) associated with your products, operations and/or organizations.
- Set reduction targets, comply with regulatory requirements, and enhance corporate responsibility efforts.

Hotspot Analysis

- Identify key areas within your product lifecycle, processes and operations that contribute the most to environmental impacts.
- Enable targeted interventions and resource allocation to areas with the highest environmental burden, leading to effective sustainability strategies.

Full Life Cycle Assessment

- Conduct a comprehensive analysis of the environmental impacts associated with all stages of your product's life, from raw material extraction to end of life.
- Offers a holistic view of environmental impacts, allowing for informed decision-making in product design, supply chain management, and end-of-life strategies.

EXPERTS

Barbara Petschacher
Barbara Truger
Gerald Striedner

PARTNERS

René Kollmann, [STRATECO OG](#)
office@strat.eco

KEYWORDS

- Sustainability assessment
- LCA - Life cycle assessment
- Carbon footprint
- GHG emissions
- Green metrics
- SPI - Sustainable process index
- CSRD - Corporate Sustainability Reporting Directive
- ESRS - European Sustainability Reporting Standards



CONTACT

Dr. Martin Trinker
Director Business Development & Fundraising
Austrian Centre of Industrial Biotechnology (acib)
Krenngasse 37 • A-8010 Graz

martin.trinker@acib.at
[+43 316 873 9316](tel:+433168739316)
www.acib.at