



Your partner in strategy, technology
and sustainability

Science-based Consultancy on Renewable Carbon for Chemicals and Materials

We support your
smart transition to
renewable carbon



Circular Economy



Applied Research for your Needs

Renewable Carbon Strategies

nova-Institute is a private and independent research institute, founded in 1994; nova offers research and consultancy with a focus on the transition of the chemical and material industry to renewable carbon.

What are future challenges, environmental benefits and successful strategies to substitute fossil carbon with biomass, direct CO₂ utilisation and recycling? What are the most promising concepts and applications? We offer our unique understanding to support the transition of your business into a climate neutral future.

Our subjects include feedstock, technologies and markets, economy and policy, sustainability, communication and strategy development.

www.nova-institute.eu

RENEWABLE CARBON

Renewable carbon entails all carbon sources that avoid or substitute the use of any additional fossil carbon from the ground.

Renewable carbon can come from the atmosphere, biosphere or technosphere – but not from the geosphere.

Renewable carbon circulates between atmosphere, biosphere and technosphere, creating a carbon circular economy.

The equivalent to decarbonisation in the energy sector is a transition to renewable carbon in the chemical and plastics industries.

Both strategies avoid bringing additional fossil carbon from the ground into the cycle and can be summarised under the term “defossilisation”.

Selected Customers



nova-Institute's Activities

- Partner in 15–20 research projects per year in Europe and around the world
- Publication of 5 market and trend reports per year
- Organisation of 4 leading conferences and several workshops per year



- More than 50 science-based consultations per year for companies, associations, policy and NGOs
- nova-Institute is the initiator, administrative office and scientific back-bone of the Renewable Carbon Initiative (RCI)
www.renewable-carbon-initiative.com

Technology & Markets

- Market Research
- Innovation & Technology Scouting
- Trend & Competitive Analysis
- Supply & Demand Analysis
- Feasibility & Potential Studies
- Customised Expert Workshops

Sustainability

- Life Cycle Assessments (ISO 14040/44, PEF Conform)
- Carbon Footprint Studies & Customised Tools
- Initial Sustainability Screenings & Strategy Consultation
- Holistic Sustainability Assessment (incl. Social and Economic Impacts)
- GHG Accounting Following Recognised Accounting Standards
- Critical Reviews for LCA or Carbon Footprint Reports
- Sustainability Reporting & Claims

**RENEWABLE
CARBON**



We support your smart transition to renewable carbon | www.renewable-carbon.eu

Communications

- Comprehensive Communication & Dissemination in Research Projects
- Communication & Marketing Support
- Network of 60,000 Contacts to Companies, Associations & Institutes
- Targeted Newsletters for 19 Specialty Areas of the Industry
- Conferences, Workshops & nova Sessions
- In-depth B2C & Social Acceptance Research

Economy & Policy

- Strategic Consulting for Industry, Policy & NGOs
- Political Framework, Measures & Instruments
- Standards, Certification & Labelling
- Micro- & Macroeconomics
- Techno-Economic Evaluation (TEE) for Low & High TRL
- Target Price Analysis for Feedstock & Products



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Management



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