
nova-Institut GmbH (www.nova-institute.eu)

PRESS RELEASE

nova-Institute Launches Groundbreaking Advanced Recycling Database for Strategic Market Insight

The new Advanced Recycling Database reduces complexity by providing industry stakeholders with up-to-date expert-reviewed intelligence on companies, technologies, plants, capacities, locations, products and partnerships across the global advanced recycling landscape.

Hürth, 22 September 2026: As advanced recycling moves from technology development towards broader industrial implementation, companies in the chemical, plastics, recycling and materials sectors need reliable information to assess technologies, identify partners and navigate an increasingly complex market. The challenge is not a lack of information, but the fact that relevant data is spread across company announcements, technical and patent publications, and individual market studies. With its new **Advanced Recycling Database**, nova-Institute brings current market and technology information together on one continuously updated, expert-curated platform, designed to support strategic, technical and investment decisions.

The database currently covers 152 companies from 29 countries and 399 plants in 68 countries. It links information on companies, technologies, plants, capacities, locations, products and partnerships, making it easier to track how advanced recycling solutions are progressing towards industrial and commercial implementation.

Companies can assess which technologies are already being deployed or scaled up, where new capacities are being developed and which providers are active across different recycling routes. This gives users a broader view of the market beyond individual technologies and helps them identify relevant technology providers, potential partners and other market players.

Search, filtering and sorting functions allow users to tailor the database to their specific needs. Criteria include feedstock, polymer type, technology, country and product outputs. This makes it easier to narrow down suitable recycling routes, compare technologies and providers, and move from broad market screening to a focused shortlist of potential solutions and partners.

nova-Institute's Advanced Recycling Database is available at <https://advanced-recycling-database.eu>

Turning market intelligence into better business decisions

The database helps users answer key practical questions: Which recycling technologies are suitable for a particular feedstock? Which companies are scaling their technologies for commercial operation? Where are new capacities being built? What products do the respective processes generate, and which partnerships are emerging?

Detailed company and technology profiles provide information on the strategic focus of providers, existing and planned plants, feedstock requirements, pre-processing, process conditions, products and partnerships. This supports market analysis, technology assessment, competitive benchmarking, partner identification, investment analysis and strategic positioning.

Continuously updated, expert-reviewed and verified information

Unlike static market reports, the Advanced Recycling Database is updated as new information becomes available. Users therefore have access to the latest market information without having to wait for the next edition of a study or report. They can also set alerts for specific technology providers and receive notifications whenever new information or updates on a selected company are added. This makes it easier to keep track of relevant market and technology developments.

All information is carefully researched, reviewed and validated by nova-Institute's advanced recycling experts. Sources include scientific publications, patent research, interviews and publicly available information. The team also verifies data directly with technology providers and plant operators, giving users a more robust basis for comparing technologies, providers and market developments.

Access to the Advanced Recycling Database is available for € 250 per month, with a minimum subscription period of one year. Each additional user can be added for € 80 per month, allowing technical, market and strategy teams to work from the same up-to-date information base.

Find all nova press releases, images and more free-for-press material at <https://nova-institute.eu/news/pr/>

Responsible for the content under German press law (V. i. S. d. P.):

Dr. Lars Börger (CEO)
nova-Institut für politische und ökologische Innovation GmbH

Leyboldstraße 16 Tel: +49 2233 460 14 00
50354 Hürth Fax +49 2233 460 14 01
Germany contact@nova-institut.de

Since the mid-1990s, the nova-Institute has been dedicated to sustainability and today focuses primarily on renewable carbon cycles. As an independent research institute, it supports companies – particularly from the chemical, plastics, and materials industries – in the use of renewable carbon derived from biomass, direct CO₂ utilisation (CCU), and recycling.

With a multidisciplinary team of scientists, the nova-Institute participates in international innovation projects and provides science-based management consulting. The institute follows a holistic approach: its experts analyse which technologies and raw materials are suitable for specific products, in which markets their application is feasible, which regulatory frameworks apply, how sustainable the solutions are, and how they can be successfully positioned in the market.

Based on these analyses, the team develops tailored strategies to support the transformation from fossil to renewable carbon. Around 50 experts from various disciplines work together to drive the defossilisation of industry – for a climate-neutral future.

More information: www.nova-institute.eu – www.renewable-carbon.eu

Subscribe to our newsletter: <https://renewable-carbon.eu/newsletters>

Comprehensive reports and free graphics available at: <https://renewable-carbon.eu/publications>