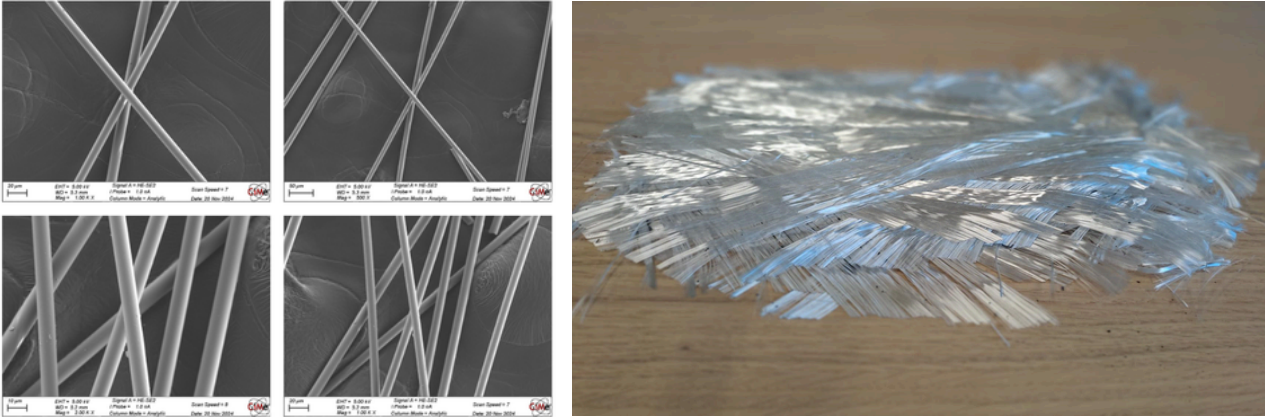


PRESS RELEASE

NLComp and Composite Recycling Team Up to Close the Loop on Thermoplastic Composites



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Monfalcone, Italy & Ecublens, Switzerland, December 18, 2024 — In an inspiring collaboration between sustainability-focused startups from Italy and Switzerland, nlcomp® and Composite Recycling have announced remarkable results in recyclability testing for nlcomp's innovative rComposite® material. These findings highlight the material's exceptional potential for circular economy applications across the marine, wind energy, and other sectors.

Composite Recycling's thermolysis-based recycling process is designed to revolutionize the end-of-life treatment of composite materials. The company is currently testing various composite and resin systems to validate the efficacy of its technology, while at the same time helping clients demonstrate the recyclability and explore future reuse applications for their composite-based products.

Nlcomp® engaged Composite Recycling to evaluate the recyclability of its rComposite® material, which combines a thermoplastic matrix (Arkema's Elium® resin) with low-impact raw materials. The test results from Composite Recycling's thermolysis-based recycling process exceeded expectations:

- **Fibers:** The reclaimed fibers exhibited no visible impurities and demonstrated a soft, pliable texture. Electron microscope imaging revealed minimal residue, confirming their high potential for reuse in new composite materials.
- **Oil:** Analytical testing identified nearly 80% of the recovered molecules as methyl methacrylate, a valuable component for producing new high-performance materials.

These robust test results build upon the DNV statement that nlcomp® achieved in October 2024, verifying the recyclability and recycled content of rComposite® under ISO 14021:2016 standards.

Both companies have earned significant recognition in the composite industry and particularly from the marine sector, having each won the Monaco SmartYacht Award and the METSTRADE Boatbuilder of the Year Award in consecutive years.

Fabio Bignolini, CEO of NLComp®, shared his enthusiasm:

“This project with Composite Recycling demonstrates how innovation and collaboration can drive sustainability in large industries. The recyclability potential of rComposite® not only meets but exceeds our expectations, paving the way for a more circular future in marine, wind energy, and other sectors. Together with the statement we obtained from DNV this year, it’s a significant step forward for the credibility of our technology.”

Guillaume Perben, CEO of Composite Recycling, echoed the sentiment:

“Our partnership with NLComp® exemplifies our shared goal of transforming the lifecycle of composite materials. Our great alignment of visions and goals is essential to build a full value chain of sustainable composites. These results confirm the value of innovative recycling processes, bringing us closer to a day when composite waste is fully diverted from landfills and directed toward valuable new production.”

About NLComp®

Nlcomp® is a pioneering company in the field of circular composite materials, with applications ranging from sailing to wind energy. Thanks to the innovative rComposite® material, the company is redefining sustainability and performance standards, driving the shift towards more responsible and circular production. Founded in 2020, after the first years of research and development, it launched sailing prototypes called Ecoracer, which received innovation awards across Europe, such as European Yacht of the Year (Boot, Düsseldorf), the Boat Builder Awards (Metstrade, Amsterdam) and World Sailing Technology Award. Since 2023, NLComp® has entered the market, collaborating with companies like Cantiere del Pardo in sailing, Windcity in small wind turbines, and MITA Cooling Technologies in industrial systems.

About Composite Recycling

Composite Recycling is a Swiss startup founded in 2021, revolutionizing the end-of-life cycle for composite materials. By recovering high-quality fibers and oil from glass and carbon fiber composites, their scalable technology enables manufacturers to integrate reclaimed materials into new production, addressing the global challenge of composite waste. Its solution has garnered awards such as the JEC Startup Booster Award, the METSTRADE Boat Builder Award for Sustainability, and Monaco SmartYacht. Since 2022, Composite Recycling has partnered with key industry players like Arkema, Groupe Beneteau, and Veolia to bring its solution to market.

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