

## CompPair and Composite Recycling join forces to bring sustainable innovation on the eco-efficient Objectif Dune rally buggy

In a bid to reshape the future of motorsport, Swiss pioneers CompPair and Composite Recycling are collaborating on the eco-efficient Objectif Dune rally buggy, introducing a breakthrough composite part that is recycled, recyclable, and healable. This roof scoop, which channels airflow to the engine for peak performance, sets new standards for sustainability and circularity in the racing industry.

### Transforming motorsport sustainability

Motorsport, a sector traditionally reliant on disposable, high-performance parts, has to face a transformation. By combining CompPair's HealTech™ technology with Composite Recycling's advanced recycling processes, this collaboration demonstrates how sustainable solutions can deliver high-performance results while reducing environmental impact. The new roof scoop, produced with recycled fibres, not only matches the initial performance of standard parts but is also designed for ultra-fast repair—helping reduce costs, downtime, and material waste. In an industry where components are frequently replaced due to damage or wear, this recycled and healable roof scoop offers a glimpse into the future of sustainable racing.

### Objectif Dunes: The perfect partner for innovation

Objectif Dunes, founded in 1987 by Airbus employees, is an association committed to showcasing eco-friendly innovation in motorsport. Known for manufacturing buggies with a circular mindset, the team incorporates discarded scraps and upstream fibres from suppliers into their designs. Their buggies are largely composed of parts from Airbus' A350 aircraft, including complex components made from recycled carbon fibres.

This collaboration with CompPair and Composite Recycling is a perfect fit for Objectif Dunes' vision. With a focus on sustainability and circularity, the Objectif Dune rally buggy serves as the ideal platform to demonstrate how innovative composite technologies can make motorsport not only more efficient but also far more sustainable.

### Revolutionising motorsport with healable composites

CompPair's HealTech™ technology is a game-changer for the motorsport industry. It extends the lifetime of composite parts, offering key advantages while introducing sustainability into a sector where environmental impact is often overlooked:

- **Reduced downtime:** HealTech™ composites enable ultra-fast in-situ repairs, taking just 1 minute to restore a damaged part. This minimises maintenance time and keeps vehicles on the track longer, ensuring continuous performance during races.
- **Cost efficiency:** By reducing the need for frequent part replacements, teams can save significantly on materials and repair costs, making racing more economically sustainable.
- **Sustainable performance:** Extending the lifespan of components the technology contributes to a more eco-friendly motorsport future, with a reduced need for raw materials and lower environmental impact.
- **Enhanced safety and reliability:** Even after repair, HealTech™ composites maintain their structural integrity, ensuring that safety and performance standards remain uncompromised.

The collaboration with the Objectif Dunes rally team marks a significant step forward in showcasing how CompPair's HealTech™ composites can elevate the performance and efficiency for racing teams.

## Advancing circularity in composites with Composite Recycling

Composite Recycling is pioneering a circular economy in the composites industry with its next-generation thermolysis recycling technology. Designed to address the challenges of recycling hard-to-process fibreglass, the technology delivers high-quality fibre and oil outputs that can be reused in the production of new, high-performance composites and decarbonized plastics.

- **Mobile and efficient:** The recycling units, housed in 30-foot containers, can be deployed directly to waste sites, reducing the cost, CO<sub>2</sub> emissions, and logistical challenges associated with transporting bulky waste.
- **Low emissions:** By capturing and utilizing the gas emitted during the recycling process, the technology produces CO<sub>2</sub> emissions that are 70% lower than traditional fibreglass production, contributing to a greener planet.
- **One-stop recycling shop:** Composite Recycling provides a comprehensive solution, offering recycling services for waste management and supplying manufacturers with high-quality recycled outputs that integrate seamlessly into existing production lines.
- **Ready-to-Use Outputs:** The process, co-developed with industry-leading manufacturers, ensures that the recycled materials can be used with minimal retraining or retooling, making it easier for companies to adopt sustainable practices.

## Driving sustainability forward in motorsport

The collaboration between CompPair, Composite Recycling, and Objectif Dunes is more than just an innovative solution—it's a vision for the future of motorsport. With the production of the world's first recycled, recyclable, and healable roof scoop, these companies are proving that high-performance parts can also be eco-friendly. Motorsport has long been seen as an unsustainable industry, but this partnership is steering it towards a future where continuous innovation, performance, and environmental responsibility are all part of the race.



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