

H\_CYCLO is a new technology that allows for the full recycling of thermoset carbon fibre materials used in high-performance bicycle wheels.

It maintains the strength and performance of traditional carbon fibre while enabling the separation and reuse of both carbon fibres and epoxy resin.

This is vital part of HUNT's broader sustainability efforts in the cycling industry.



## H\_Cyclo Explained.

H\_Cyclo allows recycling of carbon fibre and resin in bike wheels. It uses the thermoset process, which currently gives the best strength-to-weight ratio for bike parts. While this may change as technology advances, right now thermoset leads in performance for bicycle rims and frames.

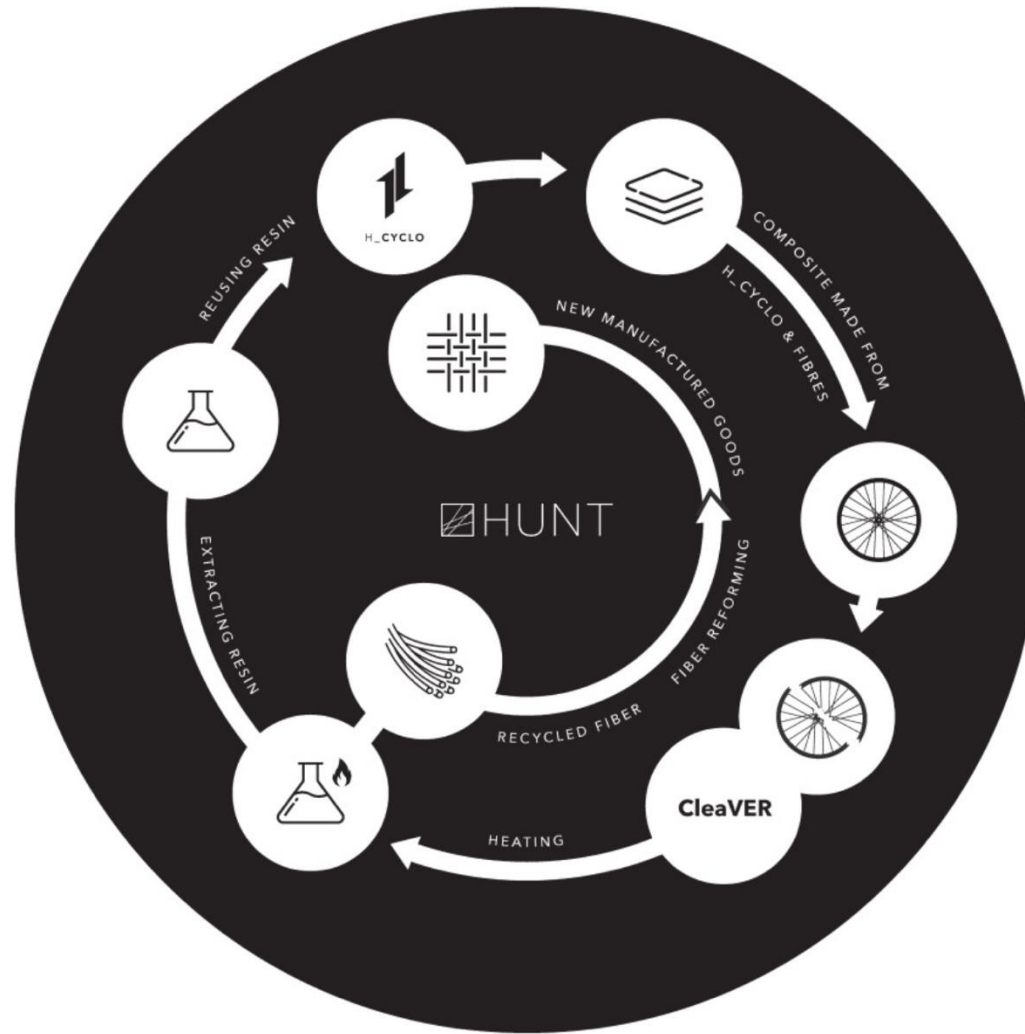


## Traditional Carbon Fibre Process.

Carbon fibre manufacturing for bike parts typically uses thermoset molding. This process involves laying carbon fibre pre-preg with epoxy resin in a mold and then curing it. Thermoset molding is the most established method for bicycle components, offering the best strength-to-weight ratio compared to other techniques like thermo-plastic systems. However, this traditional process creates a one-time use product that can't be easily recycled.

## A Recyclable Solution.

H\_Cyclo technology introduces a recyclable thermoset resin that performs like traditional epoxy. It maintains the same strength and durability, allowing manufacturers to use existing molds and processes. The key innovation is a chemical solution called CleaVER, which can break down the H\_Cyclo resin. Using heat and agitation, the carbon fibers and resin are separated, allowing both components to be reused. The CleaVER solution itself can also be reprocessed.



## From Wind Turbines to Bike Wheels.

Originally developed for recycling large wind turbine blades, H\_Cyclo technology has found a new application in cycling. The recyclable resin doesn't compromise the structural integrity or strength-to-weight ratio of carbon components, making it perfect for high-performance bicycle rims. We are pioneering this technology in two gravel wheel models, with plans to expand its use across their carbon range in the future.

## We'll handle the recycling.

We are taking responsibility for the entire lifecycle of our products made with H\_Cyclo technology. We will collect these wheels at the end of their life, free of charge for riders. This applies even if the wheels become unusable due to accidents or crashes. This commitment ensures a seamless recycling process and demonstrates HUNT's dedication to sustainable practices in the cycling industry.

## HUNT Wheels company-wide sustainability efforts.



### **Longevity.**

Commitment to spare components and service offerings for all in-line and previously sold HUNT wheels dating back to company's start in 2015, to keep wheels in service longer.

### **Emissions.**

Company-wide commitment to carbon emissions reduction, in alignment with the 2015 UN Paris Agreement on Climate Change, using the Science Based Targets Initiative as a third-party measurement partner.

### **Repairability.**

HUNT maintains stock levels of spare parts for all HUNT wheelsets dating back to 2015, so that riders are able and encouraged to repair rather than replace their HUNT wheels for longer service life and reduced consumption.

### **Innovations.**

Introduction of wheels with improved sustainable specification choices, the first of which was the 'Sustain Phase One' range, utilizing recycled aluminium and carbon fibre materials in the rim construction.