

BCOMP | PORSCHE

# Porsche GT4 Race Car Features Bcomp's High-Performance Lightweight Solution

Porsche and Bcomp's collaboration brings bio-based flax fibres for both the interior and bodywork of the Porsche 718 Cayman GT4 CS and Porsche Mission R.

## THE CHALLENGE

The challenge was to implement a sustainable alternative that matched or outperformed the performance and safety metrics of traditional carbon fibres, without compromising the vehicle's performance.

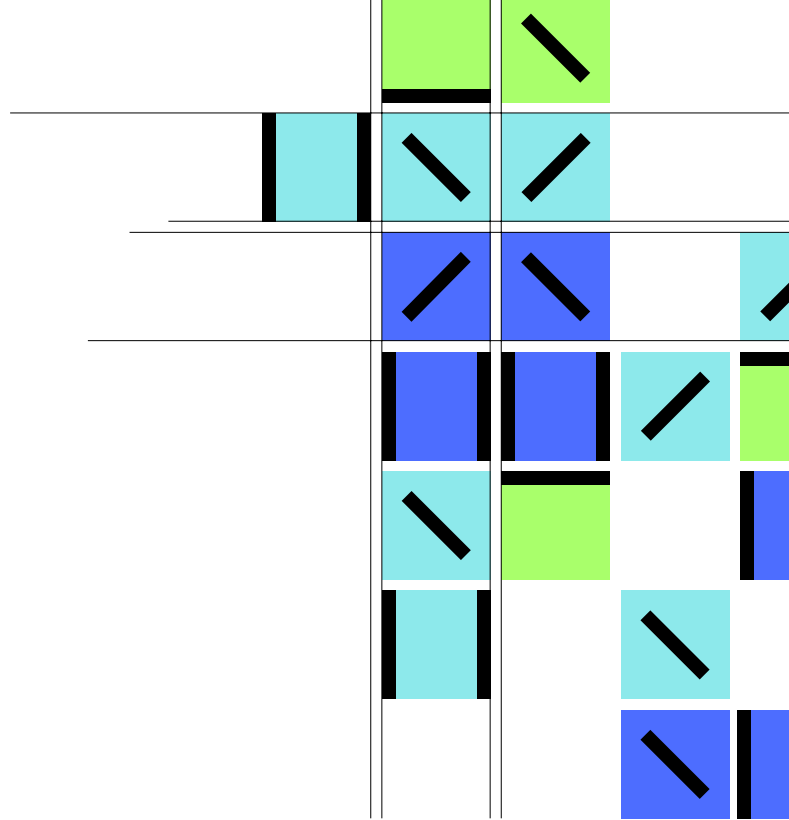
## THE SOLUTION

Bcomp and Porsche worked together to integrate flax fibres into the Porsche GT4 race car and Porsche Mission R by using ampliTex™ and powerRibs™ solutions for the bodywork and some interior parts. For instance, for the Porsche 718 Cayman GT4 CS, this included the reverse engineering of nine interior parts by Bcomp, ranging from air channels, consoles, glovebox, and instrument cluster, to the roof panel, alongside the vehicle's entire bodywork. Bcomp's high-performance composites rival traditional carbon fibre while reducing CO2 emissions and offering better vibration damping and improved crash behaviour for enhanced safety in motorsport applications.

## THE OUTCOME

Bcomp's solutions matched the performance of traditional monolithic carbon fibres and improved safety due to a breaking behaviour without sharp shattering if a crash or collision occurs. Additionally, natural fibre interior parts significantly reduced vibrations. The sustainable milestone was underscored by the components' performance during long-distance racing testing, including several long-distance races with the Four Motors team at Nürburgring. Given the widespread practice of adapting racing technology for road use, as well as the similarities between GT4 race cars and supercars, this highlights the significant potential for Bcomp technologies to be applied to Porsche road car applications.

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## BCOMP

WEBSITE  
[bcomp.ch](https://bcomp.ch)

FOUNDED  
2011

HEADQUARTERS  
Fribourg, Switzerland

NO. OF EMPLOYEES  
50+



**Bcomp is decarbonising the world through high-performance bio-based materials.**

Bcomp's solution leverages the unique properties of flax fibres by reducing the weight, CO2 footprint, vibration damping, and improving safety.

## ABOUT STARTUP AUTOBAHN

STARTUP AUTOBAHN powered by Plug and Play is an open innovation platform that provides an interface between innovative tech companies and industry-leading corporations. The basis of the program is the partnership that develops between startups and the corporate business units. The two entities hold an equal footing from the get-go: together they evaluate the potential for a joint venture, move forward to pilot the technology, and work to achieve the ultimate goal – a successful production-ready implementation. Designed with the intention to exceed startup acceleration, STARTUP AUTOBAHN powered by Plug and Play moderates a community for collaboration with a focus on implementable results. Over the years, the platform has successfully cultivated over 400 projects with more than 300 startups since its founding in 2016.

## ACKNOWLEDGEMENTS

We would like to express our sincere thanks to Porsche and Christian Fischer (Bcomp).

## CONTACT FOR THIS PROJECT

### Philipp Rupprecht

Project Lead Innovation Management  
Porsche AG  
[philipp.rupprecht@porsche.de](mailto:philipp.rupprecht@porsche.de)

### Tim Solle

Ventures Mobility  
STARTUP AUTOBAHN powered by Plug and Play  
[t.solle@pnptc.com](mailto:t.solle@pnptc.com)