

LIGHTER COMMERCIAL VEHICLES

ECONOMICAL & ECOLOGICAL



Who we are

We are 7 engineers with backgrounds in automotive, aerospace & production, 9 employees in total



Co-Funded Project: Serial Production Process for large CFRP Parts

Our goal is to develop an economical serial production process for / and a CFRP chassis





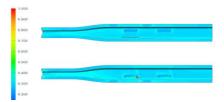


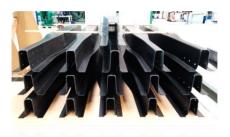


What we do

We develop, produce & validate CFRP components and vehicles up to 3.5t



















Why we do it

Because it makes economical & ecological sense. Also, there is a large and growing market demand.

+ 40%

Payload

- 28%

Total Cost of Ownership

1.7 Million

New Registrations

<3.5t in EU in '15

+ 300.000 €

Revenue per Vehicle p.a.

- 2 Tons

CO₂ per Vehicle p.a.

+ 12%

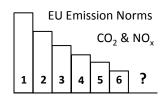
3.5t vehicles vs. '14



В	< 3.5t
C1 🖟 🚾	< 7.5t



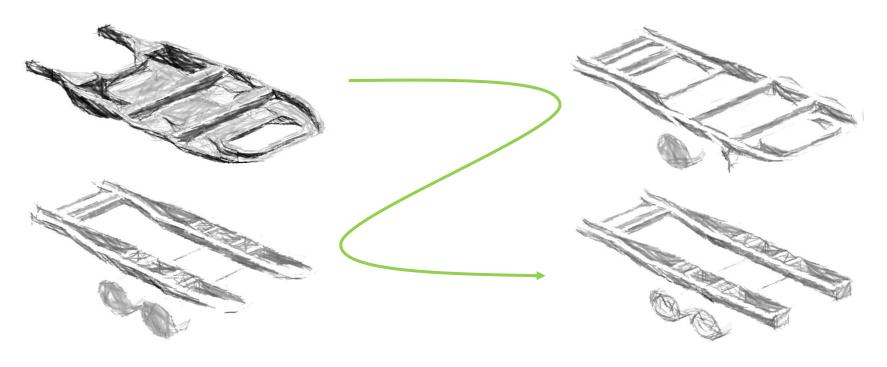






How we do it

Continuous improvement of geometrie, material and process

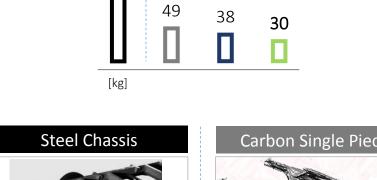


Result: Reduction of weight and costs, as well as production and assembly time

Where we stand today

More than 140kg lighter than steel @ comparable costs















< 800

Patented by CarbonTT

< 800

[€]

± 0%

Assembled Costs

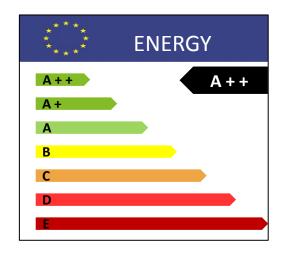
1.500

3.500

Patented by CarbonTT

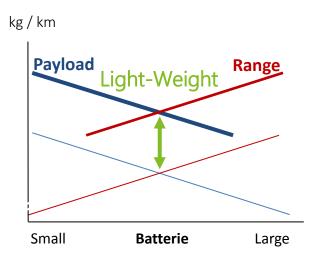
Lighter eMobility

Weight Reduction enables quicker transition to electric vehicles because of greater range



Effects of Light-Weight:

- Less Energy Consumption
- Greater Range
- Higher Payload
- Less Vehicles & Traffic
- Less Fleet-Kilometers



Lighter. More Economical. More Sustainable.







- VW T6: up to 1.500kg payload, approx. 16m³ box-volume
- More efficient routes & less emissions
- VW certified & validated

Electric. Zero-Emissions. Extra-Light.

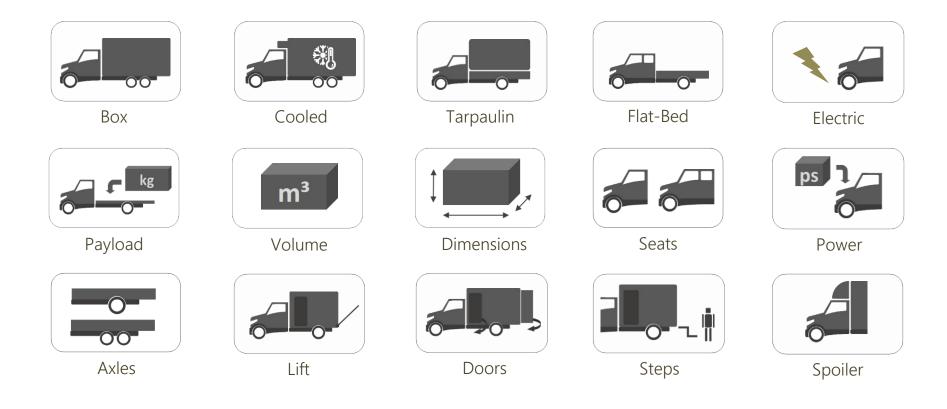


EcoLight by **CarbonTT**

- Work: min. 750kg Payload, 4m3 Volume
- Work L: min. 1.000kg Payload, 8m3 Volume
- Custom Specifications

Specifications & Options

Vehicles can be adapted to individual needs – always ultra-light



Thank you.

Carbon Truck & Trailer GmbH

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Learn more: www.carbontt.com