



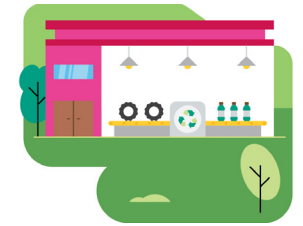
Martyna Sztaba

CEO of Syntoil

A clean solution for used tyres

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SYNTOIL S.A.®

Main product:
Recovered Carbon Black

Aim:
To transform end-of-life tyres and rubber into commercial products

- Start year:**
2015
- Challenge:**
Used tyres recycling



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THE PROJECT

The idea

We transform contaminated soot from the batch pyrolysis process into tailor-made recovered Carbon Black (CB), cleaning it to a stage where it can be used to replace traditional fossil fuel-based CB in tyre manufacturing and the rubber industry.

Inspiration

Only a small fraction of the 1.5 billion used tyres generated each year is re-treaded: most of them end their life generating electricity or producing heat in steelworks or cement kilns, thereby emitting high volumes of CO2. We aim to revolutionise an existing method by eliminating all its weak points and offering green pyrolysis operating in a truly continuous manner.

Unique selling points

Our product can fully replace virgin carbon black from fossil fuels thanks to similar levels of clean energy. We do this at a price level lower than the market price of CB produced from crude oil, making it an incentive for potential industrial buyers. No alternative product can match us.

Societal impact

Our technology can significantly mitigate the use of fossil fuels (today, CB is produced from crude oil or natural gas) and minimises CO2 generation, thereby contributing to sustainable consumption and production patterns, climate action, and the promotion of inclusive and sustainable industrialisation through innovation.

Venture development

Following successful prototype demonstrations in conditions similar to the operational environment, we aim to demonstrate our commercial readiness within 18-24 months.

EIT Community support

We are financially supported by EIT Climate-KIC. The EIT Community is also of great help in terms of networking.

THE NOMINEE

The beginning

The original idea was proposed by the founders based on their long-standing experience in the management of municipal waste. I had, on my side, more than 15 years of experience in combining business with impact. Joining Syntoil was a natural thing to do.

Rewarding moments

Building Syntoil has been the most rewarding highlight of my career so far.

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