

"ENABLE A MASSIVE AND VIABLE CIRCULAR ECONOMY OF TYRES"

BlackCycle has successfully transformed End of life Tyres (ELTs) into 100% valorized high quality secondary materials mainly in tyres and rubber goods

HOW? Thanks to **5 mature innovations**









From the 2 fractions of refined pyrolytic oil of ELTs

Plasticizing **resins** for new tyres using as feedstock the Resin Tyre Tar (RTT).

Carbon Black produced on a furnace process using the Heavy Tyre Tar (HTT).
This sustainable Carbon Black is a drop-in alternative of fossil Carbon Black.
Ready to be deployed

















PYROLYSIS & 🖺 REFINING PROCESS 📫



Refining process of pyrolytic oil aimed to optimize Heavy Tyre Tar (HTT) and Resin Tyre Tar (RTT) to produce S Carbon Black and S plasticising resins.
Ready to be deployed

DECONSTRUCTION MACHINES











This project has received funding from the European Union's Horizon 2020 research and innovation program undergrant agreement No.869625

Why is BlackCycle a revolution?

- BlackCycle is a unique and innovative project bringing differentiating solutions to the market
- BlackCycle produces **high-quality raw materials** for new tyres.

Deploying BlackCycle would make it possible to recycle 1.5 million tons of end-of-life tyres exported today outside Europe each year, mostly valorised in energy.

BlackCycle reduces CO2 emissions by 70% compared with energy recovery from end-of-life tyres.

Up to 20% of a tyre fossil materials can be replaced by these raw materials without any impact on the tyre performance.

How to make this value chain massively deployed in Europe?

The success of this innovative value chain depends on a coordinated effort involving:

- European industries adopting and implementing the BlackCycle solution in the market.
- Investors providing funding for the necessary equipment.
- The Society embracing and advocating for this industrial and ecological transition.
- The European Commission facilitating the process through incentives and regulatory support.

To actively support this collective effort, the BlackCycle consortium has sent a policy brief to European Commission policymakers making recommendations to bolster the deployment of the circular economy of tyres (critical needs of new regulations particularly around the end-of-waste status).

Move to the green tyre revolution!

If you want to know more, go on our website: **blackcycle-project.eu**





