

Battery Recycling Solutions

Wouter Ghyoot Vice President Government Affairs Leveraging pioneering role and unique technology to accelerate battery recycling"





Who we are

We believe in the power of materials technology to create sustainable value for people and planet.

Our products and services accelerate the transformation to carbon free mobility, deliver the next-generation of advanced materials and drive the world towards a circular economy.

We are the *circular* materials technology company fulfilling our mission to create *materials for a better life*

Your global supplier, locally





A pioneer in battery recycling Leaning on 125 years of complex waste streams recycling



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125 years of recycling complex waste streams as solid base

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Development of a unique & ecofriendly battery recycling process since 2004

Fully operational since 2011, recycling production wastes, portable, automotive and ESS batteries.



Technology upgrade 2022

Scaleing and speeding up to recycling gigafactories



Industrial pilot for portable batteries, upgraded for automotive batteries

Building a 150 kt plant in Europe by 2026 on an accelerated path

Building a copy in North-America 12-18 months later









7kmta



Hoboken, Belgium



Pyro v1.1 (update 2022)

25 mio€



1000þ

Pyro 2.0 + Hydro 2.0

150kmta (+-35GWh)

TBA Q2 '23

500 mio€

2026







Offers unparalleled recoveries of Ni, Co & Li at minimal footprint

CO2 footprint Pyro Hydro more visible...



Scope 1 Scope 2



Note: The results are an extract of comparable LCA-analyses performed according the ISO14040/44 standard and thus validated by a competent third party; Assuming current industry standard that graphite is sent for energy recovery in in Pyrolysis/Mechanical-Hydro flowsheets

...but lower than competitors

umicore



Note: The results are an extract of comparable LCA-analyses performed according the ISO14040/44 standard and thus validated by a competent third party; Assuming current industry standard that graphite is sent for energy recovery in in Pyrolysis/Mechanical-Hydro flowsheets

...and going to zero faster



Note: The results are an extract of comparable LCA-analyses performed according the ISO14040/44 standard and thus validated by a competent third party; Assuming current industry standard that graphite is sent for energy recovery in in Pyrolysis/Mechanical-Hydro flowsheets





materials for a better life