The number of possible materials is larger
than the number of stars in the universe.
10^{60}

exomatter

Fast & Sustainable R&D platform

Materials science made easy

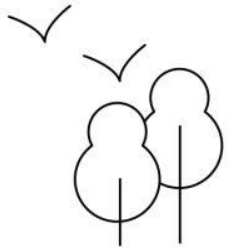
CIRCULAR REPUBLIC

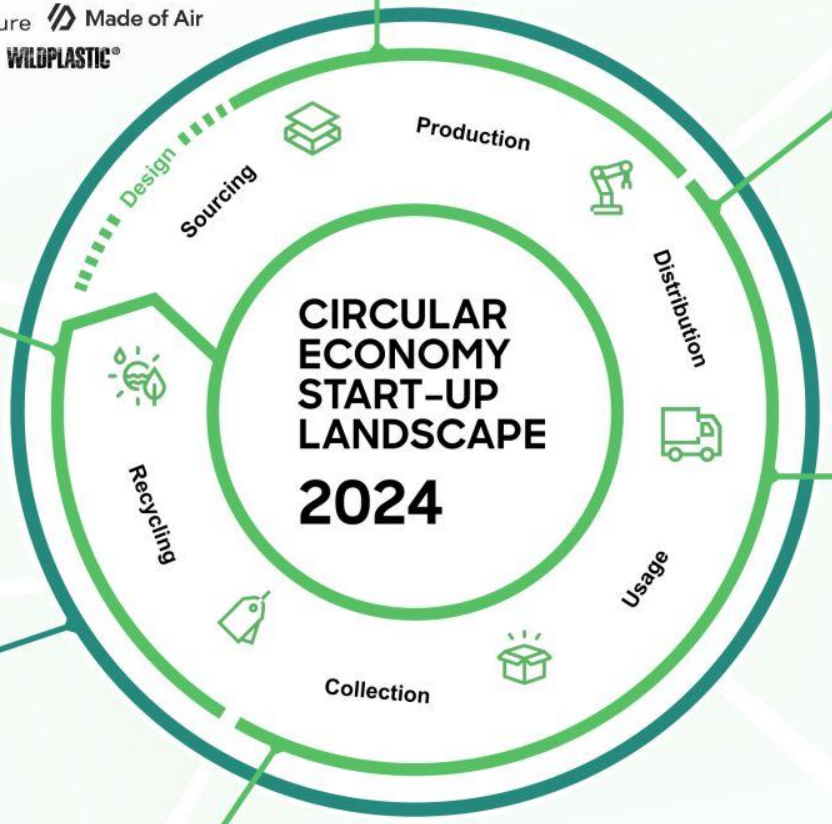
BY UNTERNEHMERTUM

SPOTLIGHT OVERVIEW

REACH OUT TO GET FULL CONTENT!

CIRUCLARREPUBLIC@UNTERNEHMERTUM.DE





Circular Inputs 1

Supply and use of renewable, recycled, or highly recyclable materials in production to minimize waste and pollution.

traceless, Voodin Blade Technology, REMENT, VYLD, BIOVOX, BIOWEG, TRIBRI, BIO-LUTIONS, ecoLocked, holy, HOPFON, Infinite Roots, Lignopure, Made of Air, one•five, PROSERVATION, WILDPLASTIC®

and many more...

Sharing Platforms 2

Maximized utility rates of products and assets through collaborative usage and shared access, often through digital technology.

AKKURENT, boomerang, CIRCLECUBE, WECARRY, circolution, fainin, faircado, FLUX, kolula, kooky., paze, RECUP, Relevo, sharely, sigo, sykell, uRyde, Vytal and many more...

Product-as-a-Service 3

Commercialization of a product's usage and function rather than its possession, ensuring performance, maintenance and reverse logistics.

Swobbee, vibrent, CIRCUJAR, CYCLE, Dance, everphone, FLEXVELOP, lendis, NORNORM, RE:DRINK, sTrollMe, toddle, nomadi

and many more...

Product Lifetime Extension 4

Strategies to prolong the lifespan of a product at its highest value, e.g. by upgrades, repair, reconditioning, or resale on secondary market.

Tildi, BAVERTIS, betteries, BRAKEABLE, circulee, DESOLTIK, faircado, fixfirst, octave, REBIKE, rebuy, refurbed, Reparando, SPARETECH, STABL, Voltfang and many more...

Circular Enablers 5

Promote sustainability, minimize waste, and enhance resource efficiency, supporting the transition towards a circular economy.

Concular, UB, BRAIN DE MATERIALS, Circulix, circunomics, Cirplus, Delicious Data, exomatter, Fairown, foodforecast, koorvi, LEBCycle, Logistikbude, LOOPID, madaster, Resourcify, SCHROTTBIENEN, SPRK, TWICE and many more...

Resource Recovery 6

Capturing the value of materials and energy from products after they've been used, through recovery and recycling.

KLEIDERLY., Matoha, NABORE, Radical Dot, saperatec, SOLAR MATERIALS, Syre, tozero, WESORT.AI, continuum, CYLIB, DePoly, eeden, everwave

and many more...

Powered by

better VENTURES, TECH FOUNDERS, UI | TUM VENTURE LABS

ExoMatter

Building the most comprehensive AI-driven platform for materials research and development

- Munich based Startup
- Spin-off from the German Aerospace Center
- Founded in 2022
- 60% Expertise in the Delivery Team as PhD

Finding new materials is tedious and inefficient

> We use what everyone else uses

> We read literature and then decide

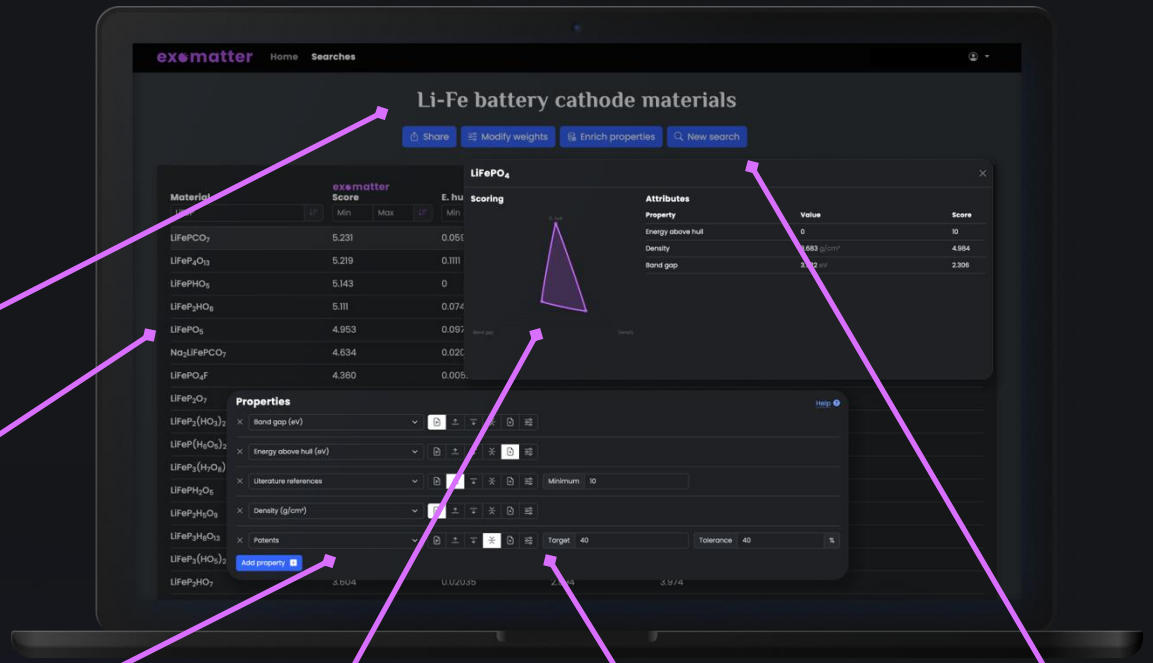
> We try a lot of options in the lab

> It's very time-consuming. (up to 5 years)

> We are wasting resources

> We ask an expert for advice on 80% of all decisions

ExoMatter enables your right material choice



Individualized Search

Properties based on your application

Easy to handle

You don’t need to be a materials expert

Alternative Suggestions

Ensures that customers won’t miss any hot candidates

Smart Weighting

The ExoMatter Score helps manage information overload

Patents & Literature

To have all the information in one place

Saving searches

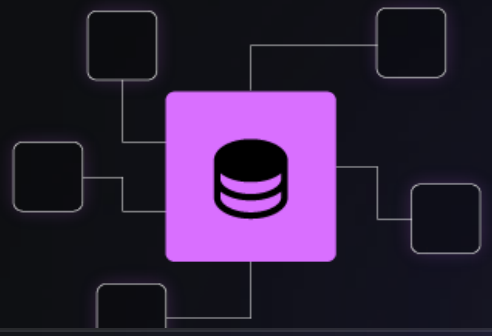
Helps you to keep track of your materials

We cover every aspect of material research

Data mining

Translating raw data into a unified format

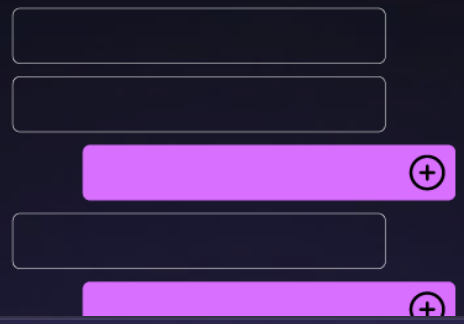
- Scientific databases
- AI
- Digital Methods (DFT etc)



Enrichment

Algorithms enrich application-specific properties

- Chemistry, physics, engineering, cost & Carbon Footprint



Scenario modelling

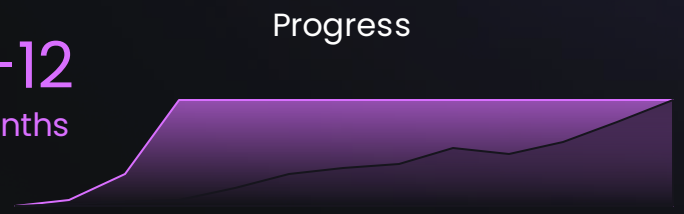
Enabling decisions

- All materials information in one place

Customer Value

ExoMatter offers vast savings

6–12 months

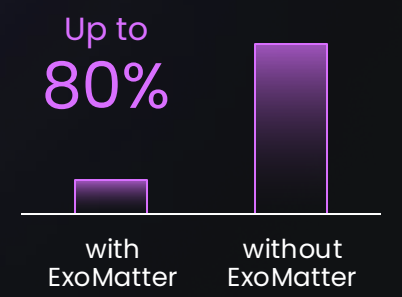


Time savings

"We were impressed to receive first results less than a month after the kick-off. This is a tremendous way to speed up materials research."

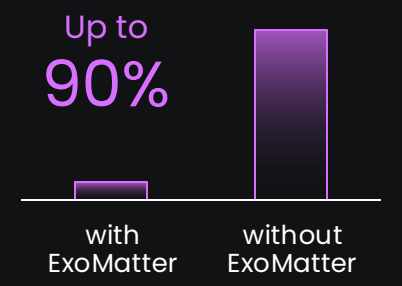
Carbon footprint reduction

By eliminating the need for extensive experimentation ExoMatter can help you reduce the carbon footprint of your material research by up to 80% and reduce chemical waste by up to 90%.



Cost reduction

Up to 90% cost savings can be achieved by reducing the time spent in the lab and reducing the amount of chemicals used in the lab



Contact

Katharina Latsch

k.latsch@exomatter.ai

+49 152 06349091

www.exomatter.ai