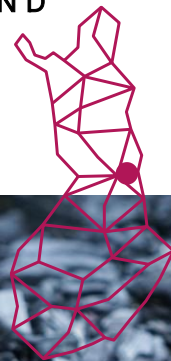
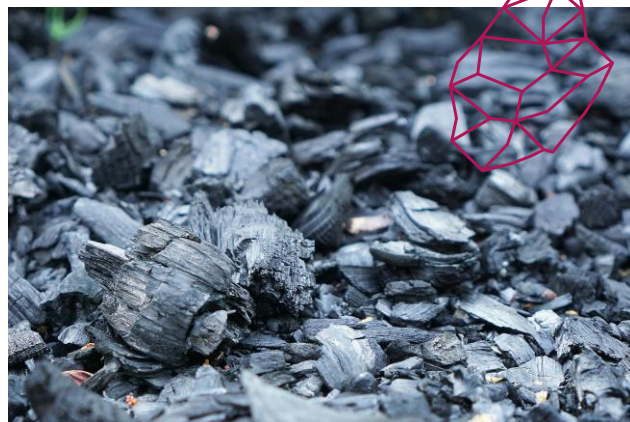


INVEST IN Biocarbon

SUOMUSSALMI
FINLAND



We have conducted a preliminary techno-economic assessment utilizing biochar production solution based on advanced Torrec technology, as a potential investment opportunity in the Suomussalmi region. The area offers substantial amounts of untapped biomass resources, such as forest chips, sawdust, and other wood-based by-products, which can be used as renewable raw material for producing sustainable biochar and pyrolysis-derived products. The project supports the green transition, enables long-term carbon sequestration, and aligns with the EU's climate goals. We warmly welcome investors, regional developers, and industrial partners to join us in making Suomussalmi a frontrunner in the biochar economy and wood-based circular industry.



TECHNICAL DETAILS

Location: Kurimo, Suomussalmi

Production technology: Torrec

Feedstock: Forest chips, wood bark, sawdust, shredded straw and agricultural biomass

Temperature / Pressure: torrefaction at 270-290 °C, slow pyrolysis at 400-600 °C atmospheric pressure or slightly above.

Main products:

- Biocarbon
- Pyrolysis oils
- Climate credits



EFFICIENCY

- **Overall efficiency:** N.A, usually high



FINANCIALS

- CAPEX: 3,566 M€
- OPEX: N.A
- Revenue (2029): 4,58 M€
- EBITDA: 907 K€



REPAYMENT PERIOD

- **Estimated repayment period:** ~ 5-6 years



INFRASTRUCTURE AND CONSTRUCTION

- **Construction time:** N.A
- **Requirements:**
 - Electricity
 - Heat production
 - Integration with wastewater treatment



TARGET GROUPS AND BENEFITS

- **Investors:** State funds, investment funds, private investors
- **Partners:** Construction and chemical industry, agriculture and parties supporting climate goals.
- **End-users:** Biocarbon utilizers



Suomussalmi – Sustainable growth through carbon-binding technology



Co-funded by
the European Union

INVEST IN
SUOMUSSALMI

