

Ilmastokahvit Biohiilestä Iiiketoimintaa

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Outokumpu R&D 24.04.2025

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Leading producer of sustainable stainless steel







Our ambition in sustainability has been globally recognized













Role of carbon in production

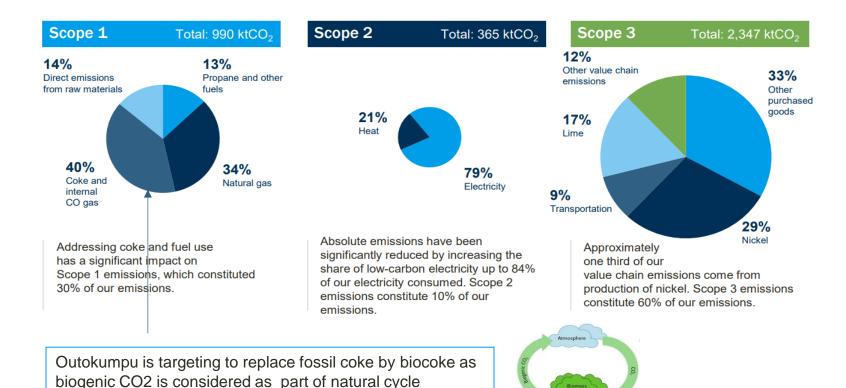
- Outokumpu produces both FeCr and Stainless steel
- Ferrochrome is a crucial raw material in the production of stainless steel
- Current FeCr production technology is based on using carbon (fossil coke) as a reductant



ow-emission ferrochrome



Contribution of biocarbon to reduce carbon footprint

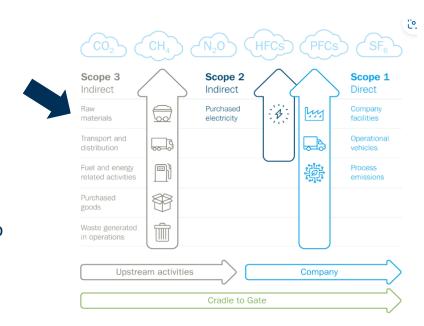




SIEMENS

Launched product-specific carbon footprint

- At Outokumpu we have taken our open communication on sustainability to the next level by becoming the first stainless steel producer to provide a productspecific carbon footprint
- We are considering all Green House Gas (GHG) emissions through the whole production chain (Scope 1, 2, 3)
- There is a growing need for companies to reduce all indirect emissions from their value chain
- Growing market for <u>Outokumpu Circle Green®</u>





Press releases

- Outokumpu invests in a biocarbon plant in Germany to further reduce its direct emissions | Outokumpu
- Outokumpu invests in a pelletizing plant for biocoke in Tornio, Finland to accelerate the reduction of direct emissions | Outokumpu
- Several leading companies in Europe and Asia have reduced more than 50,000 tons of carbon emissions with Circle Green – Outokumpu to extend the offering early next year | Outokumpu
- Outokumpu, Alfa Laval and SSAB in collaboration to reduce emissions at Laakso Joint Hospital in Helsinki | Outokumpu