

Realizing the CCUS Value Chain for the Large Scale Hlsarna Demonstration Project

Publieke samenvatting / Public summary

Aanleiding

A breakthrough steel making technology is under development called Hlsarna. This technology in combination with CCUS is a necessity to achieve more than 50% of CO₂ reduction per tonne of steel produced.

Doelstelling

To evaluate the CCUS options for the Hlsarna Process and understand its impact to the whole CCUS chain.

Korte omschrijving

The integration of the CO₂ capture and CO₂ utilization from the Hlsarna off-gases is addressed from the five different content related work packages. An optimization and economic analysis will be performed for these packages with the aim of understanding how the integration of CCUS with Hlsarna ironmaking process can be most successfully deployed.

Resultaat

Tata Steel will be able to decide on how to address parts of the Hlsarna process and can be scaled up toward demonstration and full scale implementation. This will significantly reduce the technical and financial risks for the future development.

Projectinformatie / Project information

Projectnummer / Project number
TCCU117012

Subsidiebedrag / Grant amount
€ 228.446,00

Algemene informatie / General information

Penvoerder / Secretariat
Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO

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