



# Highly efficient technologies for increased yields in steelmaking processes and reduced environmental impact

Newsletter #1

## Project details

<b>Project Call</b>	<b>EU Horizon Europe – Cluster 4 Climate neutral, Circular and Digitised Production – Twin Green and Digital Transition Improvement of the yield of the iron and steel making (Clean Steel Partnership) (Innovation Action)</b>		
<b>Project Acronym</b>	<b>HIYIELD</b>		
<b>Grant Agreement No.</b>	101058694	<b>Duration</b>	36 months
<b>Project Start Date</b>	01-07-2022	<b>Project End Date</b>	30-06-2025
<b>Coordinator</b>	KTH	<b>Webpage:</b>	<a href="http://www.hiyield.proj.kth.se">www.hiyield.proj.kth.se</a>

## Aim

The project HIYIELD aims to promote a circular economy by progressively increasing the scrap uptake in three scenarios representing the current European steelmaking routes, with the ambition to deliver relevant solutions to all steelmakers.

## Main project objectives

1. To **maximize scrap quality by optimal technologies** for removal of impurities and optimal use of alloying elements.
2. To **maximize scrap use by improved scrap identification and classification** together with scrap tracking in the circular economy.
3. To **maximize product quality with further scrap uptake** by charge optimization and ensuring the liquid steel analysis and thus the final steel product quality.



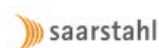
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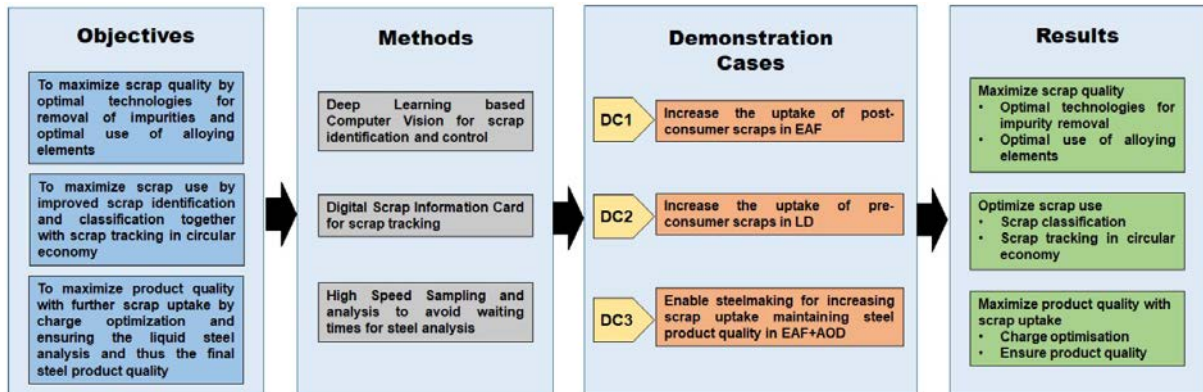


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## Consortium



## Methods, demonstration cases and expected results



## Kick-off meeting

The first project meeting was held at KTH in Stockholm where representatives from Aeiforos Metal Processing, Ferriere Nord, Saarstahl, KTH, Theo Steil, voestalpine BÖHLER Edelstahl, Minkon and ASenSo went through the details.



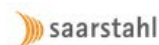
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