



Newsletter #1

Dear reader,
welcome to
SYRIUS
project!

We are thrilled to announce the launch of the **first newsletter** of the SYRIUS project! We'll keep you updated on our progress, key events, and publications twice a year.



What is SYRIUS?

In light of the pressing challenges posed by climate change and the necessity of a **transition towards more sustainable and efficient energy systems**, the industrial sector is urged to achieve significant reductions of energy consumption and CO₂ emissions. The steel industry stands at the forefront of this challenge.

SYRIUS aims to address such challenges by **integrating a SOEC system producing green hydrogen in a into a real steel manufacturing plant** complete of a slab reheating furnace, integrating heat and water recovery and steam generation.

[Learn more on our website](#)

[Browse our Zenodo Repository](#)

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Curious about SYRIUS project? Read all about it here!





SYRIUS has started!

SYRIUS started in January 2025. Coordinated by [EU CORE Consulting](#), the consortium involves 10 beneficiaries and 2 affiliated entities in representation of 6 different EU Member States: Italy, Germany, Netherlands, Belgium, Estonia, and Finland, bringing together their existing expertise along the whole value chain of the steel and hydrogen sectors.

[Read more](#)



Project Kick-off Meeting

On February 26th-27th, 2025 we all gathered at the [Arvedi AST](#) premises in Terni (Italy) for our KoM, during which the activities foreseen for the first 6 months were presented. With almost 40 people in presence and a few more joining virtually, we had an amazing launch and the opportunity to visit the AST site where the plant hosting the SYRIUS technology is located.

[Download our press release](#)

The word is out – SYRIUS's launch in the media!

[HYDRONEWS MAGAZINE](#)

[HYDROGEN TECH WORLD](#)

[HYDROGEN-NEWS.IT](#)

[CHEMICAL ENGINEERING](#)

Coming up next for SYRIUS

- Martina Fantini, from **EUCORE** will present SYRIUS at the [80th ATI Annual Congress](#), that will take place on September 10th to 12th, 2025 in Genova, Italy, with a paper entitled *“High-temperature electrolysis for industrial decarbonisation: the SYRIUS project, a real-scale demonstration in the steel sector”*.
- **Baker Hughes** will introduce SYRIUS project at the [Gastech Congress](#), that will be held in Milan, Italy on September 9th to 12th, 2025.

Stay tuned for updates!



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SYRIUS project

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