

Welcome to this new edition of Σ IDERWIN e-Newsletter. People registered to the Special Interest Group will receive periodically this email to be informed about the main highlights of the project.

Σ IDERWIN Pilot Plant Erection

The commissioning of the Siderwin pilot is still on-going. The team on site has met some manufacturing issues on the equipment (leakage, ...) as well as late delivery of components due to the global market situation. The automation of such equipment is also a challenge considering the amount of instruments, valves and motors necessary for research purpose.

Moreover during the commissioning areas of improvement were identified, leading to direct implementation of actions in order to guarantee a maximum of chance of success for the first production.

The pilot should be ready for a first production in the second half of October.



Pilot plant

Σ IDERWIN TEAM

New content is available in website and social networks. Periodically, you can meet the Σ IDERWIN TEAM by means of interviews, videos, where they explain their involvement in the project. Until date, you can know a little bit about Dr. Daniela V. Lopes (Aveiro University), Cédric Flandre and Andrea Baldini (John Cockerill), Sevasti Koutsoupa and Stavroula Koutalidi (NTUA), Pascal Marlier (ArcelorMittal) and Efthymios Balomenos (Mytilineos). You can find more information on the website and social networks.

Steering Committee online meeting (M37-M46)

The ΣIDERWIN Steering Committee Meeting was held virtually on the 2nd and 6th of July 2021 due to still remaining restrictions for travelling. The Project Coordinator, Hervé LAVELAINE communicate a 6 months extension for the project, ending in March 2023. The most relevant achievements of the different work packages were presented. It was the last consortium meeting before the start-up of the ΣIDERWIN pilot plant.



ΣIDERWIN Steering Committee virtual Meeting



Participants on ΣIDERWIN Steering Committee virtual Meeting

New open access paper

Our partners from Aveiro University have published a new paper in the Journal of the Electrochemical Society: *Alkaline Electrochemical Reduction of a Magnesium Ferrosinell into Metallic Iron for the Valorisation of Magnetite-Based Metallurgical Waste*. DOI: 10.1149/1945-7111/ac1490

RAWMAT 2021

In September, our partners from NTUA and Mytilineos presented during the International Conference on Raw Materials and Circular Economy. Their investigations are focused on the use Bauxite Residue, the waste material from the Bayer process for alumina production, as an alternative raw material for the electrochemical route for sustainable iron production.



SIDERWIN webinar

The SIDERWIN webinar will take place virtually on 24th of November 2021 from 3 p.m. to 5 p.m. The agenda and registration form are available on the [website](#) and social media. *SIDERWIN: A breakthrough technology to decarbonize primary steel production through direct electrification.* Don't miss the opportunity to join this online webinar to be updated on the main achievements of the project.



[FIND OUT MORE](#) AND FOLLOW US ON SOCIAL MEDIA



This e-mail was sent to you because of your registration to the Special Interest Group of SIDERWIN project

Did this eNewsletter get forwarded to you? [Sign up](#) to our SIDERWIN e-Newsletter's distribution list.

To **unsubscribe**, please send an email to monica.serna@tecnalia.com with the subject "Unsubscribe SIDERWIN eNewsletter"

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 768788

