

HYBRIDPLUS NEWSLETTER: APRIL ISSUE

Distinguished Colleagues,

We'd like to welcome you to the first issue of our newsletter for the month April.

HYBRIDplus aims to pioneer the next generation of concentrated solar plant (CSP) with an advanced innovative high-density and high-temperature thermal energy storage (TES) system capable of providing a high degree of dispatchability at low cost and with much lower environmental burden than the state of the art. This thermal storage is based in the Phase Change Material (PCM) technology, with a cascade configuration that can reproduce the effect of a thermocline and integrates recycled metal wool in its nucleus that provide hybridization possibilities by acting as an electric heater, transforming non-dispatchable renewable electricity such as photovoltaic (PV) into thermal stored energy ready to be dispatched when needed.

This newsletter will disseminate information related to the HYBRIDplus project and partnership, highlights and latest activities. It will advertise seminars and conferences relevant to the Thermal Energy Storage community. In order to stay updated, you are kindly invited to follow our social media accounts:

Linkedin : https://www.linkedin.com/company/hybridplus/ Twitter: https://twitter.com/HYBRIDplus_EU

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LATEST NEWS

KICK-OFF MEETING AT AT UNIVERSITY OF SEVILLE

18TH-19TH OF OCTOBER 2022.

HYBRIDPLUS MONTHLY MEETING IN PREPARATIONS FOR THE NEXT GA ASSEMBLY IN JANUARY 26TH.

22ND OD NOVEMBER 2022.

HYBRIDPLUS PARTICIPATION IN #REDTES WORKSHOP AT UNIVERSITY OF SEVILLE.

24th of november 22022.



UDL AND US REPRESENTATIVES VISIT TO STAX FACILITIES FOR THE PRE-SELECTION OF THE METAL WOOL.

1st of December 2022.







NEWSLETTER#1



ANCE UPCOMING SEMINARS

JOIN US AT THE **EUROTHERM SEMINAR**



SUBTRE

Мау 24тн-26тн 2023

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WE ARE LIVE! FOLLOW OUR SOCIAL MEDIA NETWORKS

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HYBRIDplus @HYBRIDplus EU - Nov 28, 2022 Last Thursday an internal workshop for members of the Thermal Energy Storage Network #RedTES was held at @unisevilla. The workshop was attended by #HYBRIDplus Coordinators Cristina Prieto and Anton Lopez who presented our project that is perfectly in line with the # network



HYBRIDplus @HYBRIDplus_EU - Jan 4 HITER D.

During the HYBRIDplus monthly meeting, partners from @ @UniversitatUel @KTHuniversity, Build to Zero, SEICO Heizungen GmbH, Deutsches Metallfaserwerk & @R2MSolution France engaged in technical discussions. Calendars marked the 26th of January for our upcoming meeting



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HYBRID

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Developing Thermal Energy Flexibilty

HYBRIDplus aims to demonstrate the use of PCM " Phase Change Materials " in thermal energy storage systems as a driver to develop enhar

hybrid CSP plants using supercritical CO2 cycles

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LATEST NEWS

HYBRIDPLUS GENERAL ASSEMBLY HOSTED BY UNIVERSITY OF SEVILLE

25TH-27TH OF JANUARY 2023.



PARTNERS FEATURE

UNIVERSITY OF SEVILLE

The University of Seville is the oldest and largest University in Southern Spain, with more than five hundred years of history. Currently, the University of Seville has around 70.000 students enrolled in its 89 BSc, 110 MSc and 32 PhD programmes. Within the University of Seville, the School of Engineering is the leading center for applied research and technology transfer to sociality, paying an important emphasis on the cooperation and implementation of its research into the industry. The Association of Industrial Research and Cooperation of Andalucía (AICIA) was born from the perseverance in training and research of this school and its focus on the practical application of the scientific developments.

The University of Seville acts as coordinator of the HYBRIDplus project, is responsible for the project management and in charge of the experimental validation. This experimental validation will be carried out through the construction of an innovative test ring within the university's premises. As coordinator, the University of Seville also plays an active role in all operational and dissemination activities of the project.

SEICO



SEICO Heizungen GmbH provides heating systems and related products and services. The company designs, manufactures, installs, and maintains heating systems for residential, commercial, and industrial customers. The specific products and services offered by SEICO Heizungen GmbH include boilers, radiant heating systems, furnace systems, and more. The company also offer repair and maintenance services for heating systems, as well as consulting and design services to help customers choose the best heating solutions for their needs.

With the consortium, SEICO will participate in the storage system material selection and in the validation of wool fiber as storage material. SEICOwill support the determination of the optimal operational conditions of the solutions developed and LCA studies. Additionaly, SEICO will provide the Electric Heater.

