



LC-SC3-RES-7-2019

flexible integration of two innovative designs for the solar collector, SunDial, and the Thermal Energy Storage system, integrated via a control system which will allow flexible operation to maintain continuous service. ASTEP will demonstrate its capability to cover a substantial part of the heat demand of the process industry at temperatures above 150 °C and for latitudes where current designs are not able to supply. Its modularity and compactness will also enable easy installation and repair with reduced space requirements, while most components can be sourced locally. The ASTEP's process integration will allow full compatibility with the existing systems of potential SHIP end-users. These aspects will provide a very competitive solution to substitute fossil fuel consumption. The concept will be tested at two industrial sites to demonstrate the projects objectives at TRL5.

Start date:

01/05/2020

End date:

30/08/2024

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