



CENER | NATIONAL RENEWABLE
ENERGY CENTRE



DR. FRITZ ZAVERSKY, AS COORDINATOR OF THE HORIZON EUROPE RESEARCH PROJECT ASTERIX-CAESAR “AIR-BASED SOLAR THERMAL ELECTRICITY FOR EFFICIENT RENEWABLE ENERGY INTEGRATION & COMPRESSED AIR ENERGY STORAGE”

CERTIFIES THAT:

Dr. Javier Bonilla Cruz, NIF 75249965Z, member of High-Concentration Solar Technology Unit of CIEMAT-PSA, is participating as researcher in the R+D project ASTERIX-CAESAR, funded by the European Commission within the Horizon Europe Framework Programme.

The ASTERIX-CAESAR project focuses on the development of a novel high-efficiency solar thermal power plant concept with an integrated electricity storage solution. The project combines air-based central receiver Concentrated Solar Power (CSP) and Compressed Air Energy Storage (CAES) to maximize conversion efficiency and power grid energy management, enabling a new operation strategy and business model.

Dr. Javier Bonilla Cruz is taking part in the following work packages/tasks:

- WP1 (T1.4),
- WP5 (T5.1 and T5.5)
- WP6 (T6.1 and T6.4)
- WP7

This certificate is issued in Pamplona, 4th of February 2025.

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