Program: «CENTRAL MACEDONIA» 2021–2027
Action: «Innovation Investment Plans»

<u>Project Title:</u> « En3DSyst – Development of Advanced 3D Printed Membrane Systems for Power Generation Units».

<u>Project Summary:</u>

The Centre for Research and Technology Hellas (CERTH) participates in the **“Central Macedonia”** Program under the NSRF 2021–2027 through the **“Investment Plans of Innovation”** Action, which is co-funded by the European Union and National Funds.

The action titled «En3DSyst_KMP6-0232019 / MIS 5136520» aims to develop 3D-printed membranes for gas separation.

Indicative expected benefits of this specific action, through the interventions it includes, are: the development of innovative 3D printed membranes and advanced gas separation systems for applications in power generation units and hydrogen fuel cells, the penetration of new markets, the commercialization of innovative products and services, the increase in energy efficiency, the reduction of greenhouse emissions, as well as the enhancement of competitiveness and sustainability in both Greece and Europe.

The objective of the project is to develop advanced gas separation systems through the production and fabrication of 3D-printed membranes and their components for the separation of gases such as H_2 and O_2.

Total Project Budget: 326.550,00 €
CERTH/ITI Budget: 71.000,00 €
CERTH/CPERI Budget: 99.700,00€
Total CERTH Budget: 170.700,00€