Technical and scientific expertise services

In the framework of the general Greek program ´´ Research-Development-Inovation´´, and more specifically with regard to the research program entitled ´´*Intellignet Facades for Near Zero Buildings, IF-ZEB*´´, which investigates the integrated response of the energy performance along with the seismic robustness of the external thermal insulated composite systems as well as ventilated façade systems, in near zero energy buildings, we provide, to Fibran S.A., which is the leader of the research program, consulting services focused on the technical and scientific expertise as well as the interconnection link between the industry and the university laboratories, (2018-2021).

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Fibran S.A. is the leader of the research program ´´*Intellignet Facades for Near Zero Buildings, IF-ZEB*´´, and the industrial partner. The academic partners are the following entities from the Aristotle University of Thessaloniki: (i) the Laboratory of Mechanical Systems and Procedures, Faculty of Mechanical Engineering, and (ii) Laboratory of Strength of Materials and Structures, Faculty of Civil Engineering.

IF-ZEB

http://ifzeb.gr/foreis/

Ευρωπαϊκή Ένωση
Ευρωπαϊκό Ταμείο Περιφερειακής Ανάπτυξης
ΕΚΣΔ
fibran®
Ε.Π.Α.Υ.Κ. Α.Π.Θ
ΕΣΠΑ 2014-2020
ΕΠΑνΕΚ 2014-2020 ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΑΝΤΑΓΩΝΙΣΤΙΚΟΤΗΤΑ ΕΠΙΧΕΙΡΗΜΑΤΙΚΟΤΗΤΑ ΚΑΙΝΟΤΟΜΙΑ

The research program is an innovative and integrated project which investigates the energy and structural mechanics performance, under the seismic type forces, of the main insulating systems, such as the external thermal insulation systems, ETICS, and the ventilated façades. All the basic insulating materials like XPS, EPS, MW, and the corresponding mortars, adhesives, plastic fixings, steel anchors, bolts, along with the innovative systems that compose are both experimentally and numerically will be investigated, with the main target to provide new methodologies, constructional systems and details, which are resilient to both severe climate and mechanical actions.