

# ETEM IN THE EU PROJECT InDeWaG

*InDeWaG - Industrial Development of Water Flow Glazing. The project has received funding from the European Union's Horizon 2020 Research & Innovation Programme under Grant Agreement No. 680441.*



ETEM is part of the 3.5-year research and innovation InDeWaG project where universities, research institutes and industrial partners from Germany, Spain and Bulgaria join forces together to develop, on industrial scale, a new façade system for near Zero Energy Buildings (nZEB). The industrial development of an innovative façade technology, Water Flow Glazing, is the main objective and the ambition of ETEM Bulgaria together with B+G Consulting Germany, HTCO GmbH Germany, Cerviglas S.L. Spain, Architectonika Studio Ltd Bulgaria, GMAE Transforma SL SVC Spain, Fraunhofer ISE Germany, CL SENES Bulgaria, Universidad Politecnica de Madrid, Spain and The University of Bayreuth, Germany. nZEB buildings will become a “must” in Europe by the end of 2020. The unique approach of InDeWaG is to enable maximum use of daylight by a transparent glass façade and at the same time meet nZEB performance with decreased production costs. The project is coordinated by the University of Bayreuth, Germany.

***The project aims at technical innovation, introducing a new building envelope system which has at least 15% building cost-reduction potential and could be brought to industrial ripeness.***

Within the project ETEM has the ambitious task to design and produce a new aluminium façade system.

The cost-reduction goal and nZEB performance will be achieved with Fluid Flow Glazing façades (FFG) and Radiant Interior Walls (RIW), while minimising the size of heating, ventilation and air conditioning (HVAC) and PV-installations. InDeWaG is following a dual strategy to bring down the costs of ZEB: the project is focused on industrial production of standardised building components, which can be used for multiple types of ZEB in different climate zones and on the development of a simulation tool for precise early stage planning of buildings using these innovative glazing building envelope and interior elements. These components will be tested on demonstrators, one in Spain and one in Bulgaria. ◀

More information can be found on the InDeWaG official website: <http://www.indewag.eu>

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