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LOWUP'S RHEX ROTATING HEAT EXCHANGER – DEVELOPED BY POZZI LEOPOLDO - IS LISTED AMONG THE SOLAR IMPULSE FOUNDATION'S #1000SOLUTIONS

Led by the Spanish firm ACCIONA, LowUP gathers 12 partners (companies, research and technology organisations and SMEs) from 8 European countries. During 48 months, the consortium has been working to develop and demonstrate in a relevant environment one heating and one cooling system for office buildings, and one heat recovery system for industrial processes.

All three systems (Heat-LowUP, Cool-LowUP and HP-LowUP) will combine innovative heat and cool recovery technologies fuelled by low valued energy sources, also known as low grade. These include both renewable (solar energy, ambient air and water network) and wasted energy sources (sewage waters and excess heat rejected from industrial processes).

A key component of the HP-LowUP, Pozzi's rotating heat exchanger RHeX has been listed as one of the Solar Impulse Foundation's #1000Solutions and granted an efficient solution label thanks to its scalability, environmental benefit and profitability. According to experts from the Foundation, the versatility of RHeX's use makes it suitable for both industrial and civil applications.

The simplicity of the RHeX design and low requirements for its implementation makes it an ideal solution to reach geographical areas where other environmental solutions would otherwise be considered unsuitable.

This recognition by the Solar Impulse Foundation is a positive reinforcement of the work that is being carried out by the members of the LowUP project.

Indeed, results generated by LowUP may open new opportunities for the heating and cooling industry, create new jobs and reduce Europe's dependency on imported energy. Market studies and exploitation strategies will be carried out to evaluate these benefits and maximise the impact of the technologies that will be developed and demonstrated.

MORE INFORMATION

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PARTNERS	
Name	Country
ACCIONA	Spain
CARTIF	Spain
ENDEF	Spain
EURECAT	Spain
FAFCO	Switzerland
GEA	Netherlands
HALTON	Finland
LGI	France
POZZI	Italy
RDZ	Italy
TECNALIA	Spain
WASENCO	Finland



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