

Press release

Alois Müller Group acquires HyWin GmbH and becomes system supplier for sustainable glass facades with integrated cooling and heating systems

- **Acquisition of Swiss-based HyWin GmbH complements Alois Müller Group's portfolio of innovative and energy-efficient solutions**
- **Innovative HyWin system combines energy savings with user comfort for facades with a high glass content**

Ungerhausen (D) / Wollerau (CH), 8 June 2023 - Alois Müller Beteiligungs GmbH has acquired HyWin GmbH, based in Wollerau, Switzerland. The two partners of Hywin GmbH and ETH-engineers Claudio Meisser and Dr. Jan Lipton have been developing the innovative hybrid glass facade system since 2016. The HyWin box-type window consists of triple insulating glazing exposed to weather and single glazing on the inside. Solar shading and the highly efficient heat exchanger unit, invisible from the outside, are integrated in the interspace. Thanks to dust-free air and moderate temperature cycles, a long lifespan of these components can be expected.

The air in the box-type window is cooled during high solar radiation or heated when the temperatures are low. Thus, the adjacent living or office room is cooled or heated as needed. The HyWin system is suitable for glass facades in new buildings as well as for refurbishment of existing buildings. It achieves top performance in terms of comfort and energy efficiency at reduced system costs. In summer, high amounts of energy are extracted from the box window and used directly to regenerate geothermal probes or seasonal storage tanks. The solar energy obtained is fed into heating networks and transferred to living and office spaces by means of heat pumps. As a result of very small temperature differences between the evaporator and the condenser, the heat pumps operate in the ideal working range with high efficiencies (COP > 6) and thereby minimize the costs of electricity.

The HyWin-developers optimized and verified the system functionality and efficiency on a test unit which was made possible by the Swiss Climate Foundation.

To pursue the industrial development of HyWin and to successfully commercialize the product, the Alois Müller Group, with its experience in innovative systems for energy and building technology, is the ideal partner. In addition, through its stake in RAICO, a leading German systems house for sophisticated building envelopes, Alois Müller also has the necessary facade expertise.

Andreas Müller, owner and managing director of the Alois Müller Group, says: «Only those who use technologies intelligently and accept these challenges will remain competitive in the future. We want to minimize the use of energy with innovative solutions and thus conserve resources. The HyWin-solution is becoming a strategically important element of the Alois Müller Group. In close cooperation with the developers Claudio Meisser and Jan Lipton, we will bring a top product to the market. »

Under its new owner, A. Müller Beteiligungs GmbH, HyWin GmbH will continue to be based in Switzerland. The acquisition takes place with immediate effect.

About Müller Group

Since 1973, the Alois Müller Group has grown from a traditional family business to a medium-sized, owner-managed company with over 700 employees and twelve branches. «We are specialists in energy and building services engineering (heating, ventilation, sanitary, refrigeration, electrical) as well as industrial plant engineering. In accordance with our company's guiding principle "Energy in focus", all projects focus on innovative as well as energy-efficient solutions without limiting the user comfort. » The multi-award winning «Green Factory» in Ungerhausen, an 18,000 m² production and office building, is considered the world's first ever close to CO₂-neutral factory.

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