LOWERING THE ENERGY AND WATER FOOTPRINT OF A LAUNDRY FACILITY

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Rapidly increasing prices of fuels, electricity and, subsequently, of all utilities, force industrial enterprises to reduce their energy footprint. Following this need, small and medium enterprises face additional barriers compared to large industries. Shorter annual working time and unfavorable economy of scale typically allow for simple low-cost solutions to be implemented only. This indicates that an untapped potential for becoming more energy efficient still exists in small and medium enterprises. A case study performed in an industrial laundry company aimed at identifying economically feasible energy saving measures confirmed this assumption. A discrepancy between actual and benchmarked water and energy consumption in the washing process was revealed with the help of dedicated on-site measurements. Further analyses will follow, focused on the drying process as well as on the steam production efficiency.

Funding: This work was financially supported by the Slovak Research and Development Agency, Grant No. APVV-15-0148 and APVV-18-0134.