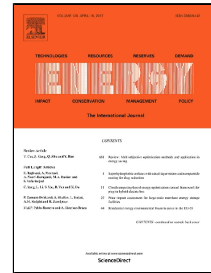


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Potential for the use of micro-cogeneration prosumer systems based on the Stirling engine with an example in the Polish market

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Highlights

- The analysis was based on real-time long-term measurements in a residential building
- Potential evaluated based on the daily and seasonal heat and electricity demand
- Environmental evaluation of different μ CHP systems and separate production was made
- Cost analysis of the Stirling-based μ CHP system was conducted
- A numerical model was built to optimize the Stirling engine

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