

SOLAR-POWERED COOLING SYSTEM

A READY4HEAT PILOT ACTION
BY THE CITY OF WEIZ (AT)



Photo: Solar panels on building in Weiz

Result

Clean energy provides safer, cooler and more comfortable living conditions for seniors.



Goal

- ✓ PV panels (6 kWp)
- ✓ Solar-assisted cooling unit (12.7 kW)
- ✓ Monitoring system for temperature & energy

Test solar-powered cooling in elderly care.



Who benefits

- ✓ 113 residents
- ✓ 120 staff



Timeline

- ✓ 2023 – Design & procurement
- ✓ 2024 – PV installed
- ✓ 2025 – Cooling system operational

About the pilot

The Weiz pilot explored whether solar-powered cooling can improve comfort and health for seniors in care facilities during heatwaves. A photovoltaic system and a solar-assisted cooling unit were installed to reduce indoor temperatures while lowering energy consumption. Staff monitored performance, temperature, and energy use throughout the summer. The pilot proved that clean energy can support safer living conditions and protect vulnerable residents from extreme heat.

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