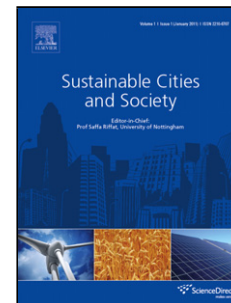


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## **Simulative optimization on energy saving performance of phase change panels with different phase transition temperatures**

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### **Highlights:**

- $\text{CaCl}_2 \cdot 6\text{H}_2\text{O}$ - $\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ /EG is integrated into the room for year-round energy management.
- The performance of the room containing two kinds of PCMs is studied numerically.
- The smaller energy demand can be obtained by placing PCM panels inside the room.
- Changes of the PCM layer thickness do not affect the choice of the phase change temperature.

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