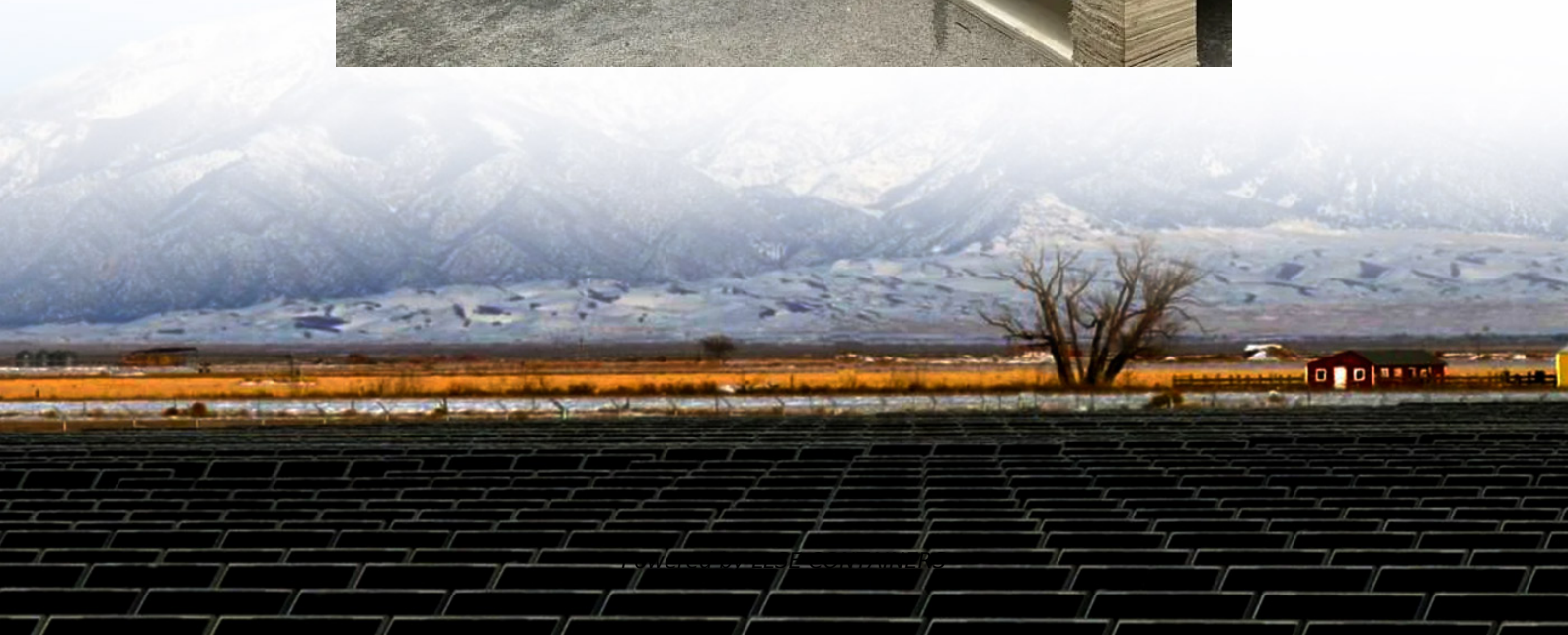


# **Southern Europe solar Air Conditioning System**





## Overview

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What is SACE (solar air conditioning in Europe)?

The SACE (Solar Air Conditioning in Europe) project was initiated in early 2002 and conducted over the next 2 years by a group of researchers from five countries, supported by the European Commission.

Does solar air conditioning save energy?

Conclusions Solar air conditioning has a strong potential for significant primary energy savings. In particular, for southern European and Mediterranean areas, solar assisted cooling systems can lead to primary energy savings in the range of 40–50%. Related cost of saved primary energy lies at about 0.07 €/kW h for the most promising conditions.

Are solar cooling systems economically feasible?

Tsoutsos et al. present a study of the economic feasibility of solar cooling technologies. Karagiorgas et al. investigated the application of renewable technologies in the European tourism industry and identified a large number of solar thermal systems but only a few solar cooling systems.



## Southern Europe solar Air Conditioning System



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Apr 7, 2008 · INTRODUCTION Active air-conditioning of buildings is also necessary at European climate conditions, especially in Southern



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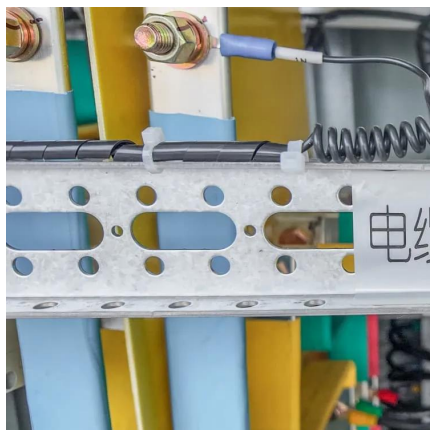


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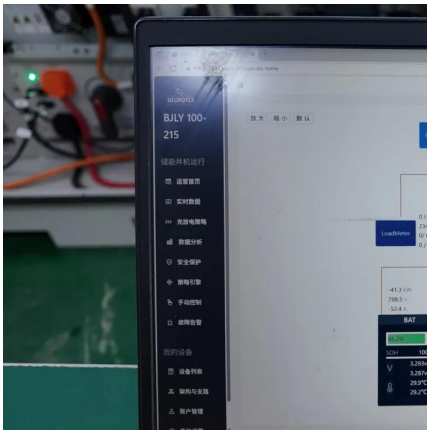
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