

SolarInnovate Energy Solutions

Austria Solar Air Conditioning



Overview

Aim of the project was the development of a technology roadmap for solar thermal cooling in Austria involving the relevant market players. The main contents of the technology roadmap are the com.

Who is austriansolar?

»We have been working with AustrianSolar for renewable energy site selection and technology integration in Chile since 2015. We have acquired one well-structured photovoltaic site which has been under operation since September 2019. We highly appreciate it for their professional and supportive attitude.«.

Is Austria a cooling market?

Although the cooling demand in Austria can be currently met by passive measures it is expected that due to global warming, more heat-emitting electric appliances inside the buildings and a rising need for comfort, this market is expected to be a promising one for the future. (Biermayr et al, 2014).

What are the main sources of energy in Austria?

Fossil fuels are still the predominant source of energy for heating dwellings in Austria, although renewables are gaining on importance. Natural gas, oil and coal are used in nearly half of the dwellings. Renewables – biomass (20%), solar (1%) and heat pump systems (2%) – are covering about 23% of the heating demand. (Statistik Austria, 2013).

How many heat pumps are there in Austria?

(Biermayr et al, 2014). Assuming a technical lifetime of 20 years, there are currently about 210.000 heat pumps in operation in Austria. In 2013, the majority of them is used in residential buildings for heating and DHW (around 60%), 36% are implemented for hot water production only, the rest is used for ventilation or de-humidification.

What is the energy consumption of Austrian households?

The average energy consumption of the Austrian households for residential heating and air-conditioning in 2012 was 159 kWh/ (m²a). Since 1990 the specific energy consumption in kWh/ (m²a) of the households was continuously declining by nearly 30%.

How much of Austria's dwelling stock is centrally heated?

Approx. 50% of the current dwelling stock in Austria is centrally heated whereas 24% is equipped with access to district heating networks. The heating system installed depends on both the age and the type of dwelling.

Austria Solar Air Conditioning



Solar air-conditioning. Proceedings (Conference) , ETDEWEB

Jul 1, 2009 · Within the 3rd International Conference on solar air-conditioning in Palermo (Italy) at 30th September to 2nd October, 2009 the following lectures were held: (1) Removal of non ...

Solar thermal air conditioning technology reducing the ...

Oct 1, 2012 · In recent years solar energy for environmental control has received much more attention in the engineering fields, as a result of the world energy shortage [1]. Particularly, ...



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://institut3i.fr>