

Green Chiller Association

3rd International Conference Solar Air-Conditioning Palermo, Sicily, Italy, 30.-09.-02.10.2009

> Dr. Uli Jakob Green Chiller – Verband für Sorptionskälte e.V.



- Green Chiller Association for Sorption Cooling e.V., Berlin , Germany
- Formed in March 2009 as German Industry Association
- Representing around 60% of all European manufacturers of thermally driven sorption chillers in the small and medium-scale cooling capacity range
- Elected President Roland Weidner and Vice-President Dr. Uli Jakob



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Company	Location	Profile
OOO energie + anlagen	Kulmbach (Germany)	Manufacturer of Ammonia/Water Absorption Chillers (30 – 500 kW)
	Westenfeld (Germany)	Manufacturer of Water/Lithium Bromide Absorption Chillers (15 – 200 kW)
Fraunhofer Institut Solare Energiesysteme	Freiburg (Germany)	Research Institute for Solar Energy Systems, Cooperation with SorTech
ILK Dresden 🔀	Dresden (Germany)	Institut für Luft- und Kältetechnik Dresden, Developments in Cooperation with EAW and AGO
	Berlin (Germany)	Manufacturer of Water/Zeolith Adsorption Chillers (7 – 10 kW)
(PINK)	Langenwang (Austria)	Manufacturer of a Ammonia/Water Absorption Chiller for SolarNext (12 kW)
SOLARNEXT	Rimsting (Germany)	System Supplier of thermally driven Absorption/ Adsorption Chillers and Cooling Kits (7 – 50 kW)
	Berlin (Germany)	Manufacturer of a Water/Lithium Bromide Absorption Chiller (10 kW)
iii SorTech AG	Halle (Germany)	Manufacturer of Water/Silica Gel (and Water/Zeolith) Adsorption Chillers (8 – 15 kW)



Founding Members of Green Chiller





Adsorption and Absorption Chillers of the Green Chiller Members (small-scale capacity)

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EAW Wegracal SE 15 - 200 Water / Lithium Bromide



AGO congelo 50 - 500 Ammonia / Water

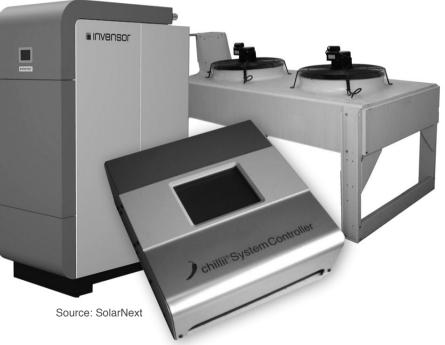




Absorption Chillers of the Green Chiller Members (small to medium-scale capacity)









Solar/ Thermal Cooling Kits of one Green Chiller Member (small-scale capacity)





Heat Sources for Thermally Driven Cooling and Heating Systems

- Lobbying of Sorption Cooling Technologies in general but especially in the Politics (Small and Medium Cooling Capacity Range)
- Promoting and Developing of the Solar and Thermal Cooling Market in Germany as well as Europe
- Increasing Awareness of Thermal Cooling Technologies (Publicity at Fairs, Conferences, Workshops, etc.)
- Standardization of Chillers/Cooling Kits as a Requirement for Funding
- Preparing of a Design Tool and Related Information on the Association's
- Website





VERBAND FÜR SORPTIONSKÄLTE E.V.

Green Chiller | Verband für Sorptionskälte e.V.

Germany | Deutschland 10559 Berlin Stendaler Straße 4

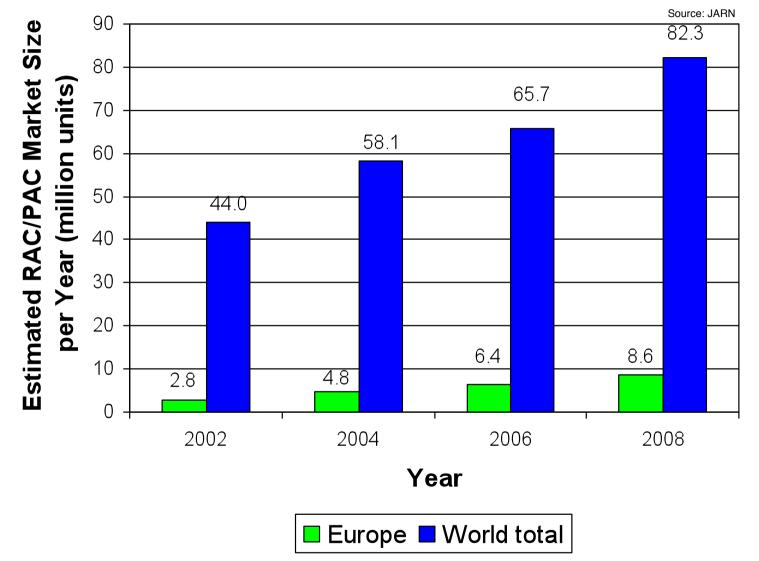
ANSPRECHPARTNER:

Roland Weidner (Vorstandsvorsitzender) Dr. Uli Jakob (Stellvertretender Vorstandsvorsitzender)

roland.weidner@greenchiller.de
uli.jakob@greenchiller.de

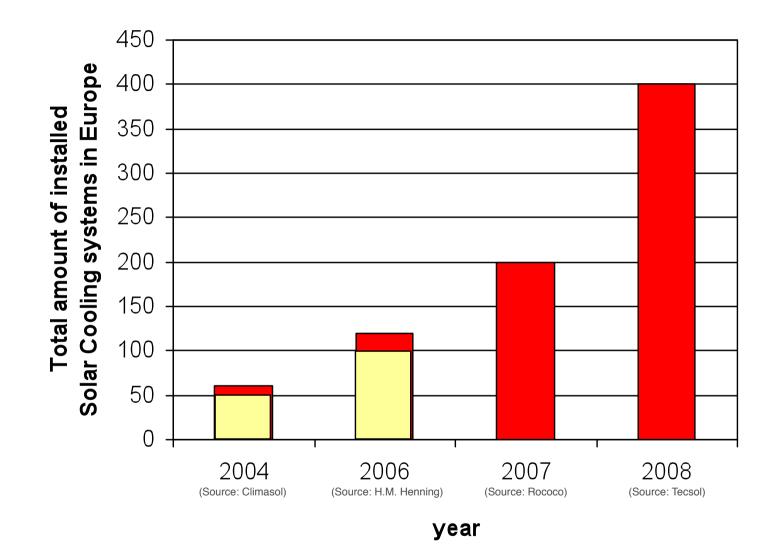


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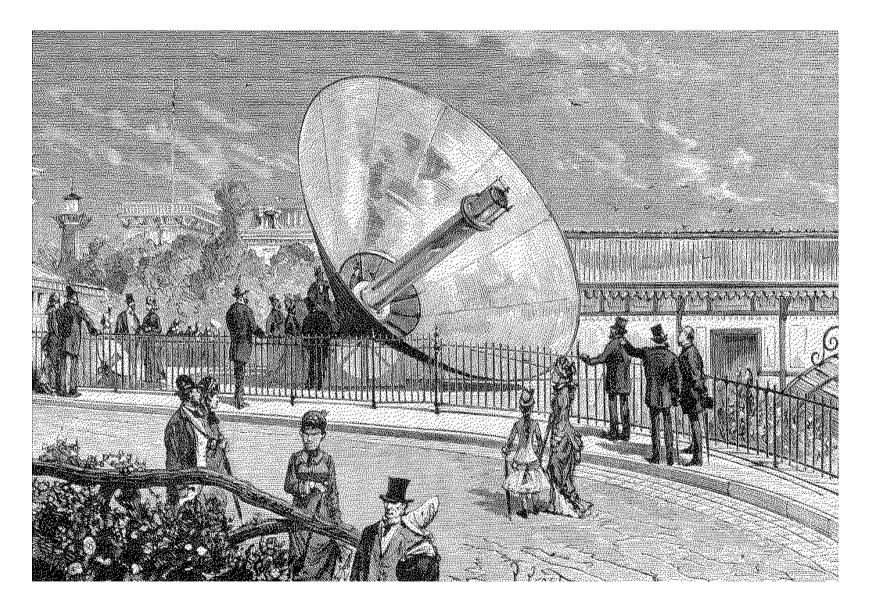


Market Situation of Conventional Air-Conditioning up to 5 kW (1.4 RT) Worldwide and Europe





Solar Cooling Market in Europe





World Exhibition 1878, Paris - A. Mouchot Produced the First Ice Block Through Solar Energy © Green Chiller e.V. & SolarNext AG / 3rd International Conference Solar Air-Conditioning, Palermo, Italy / Dr. Uli Jakob – 30.09.-02.10.2009

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Thank you.

Dr. Uli Jakob Green Chiller – Verband für Sorptionskälte e.V.

www.greenchiller.de