

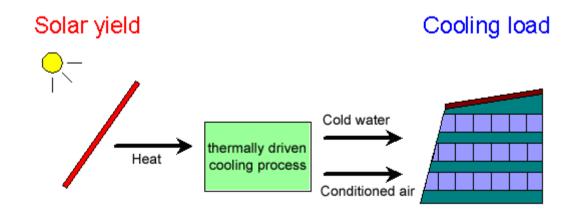
Market Development Strategies for Solar Cooling Products/Systems

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IMSIA's market development strategies for solar cooling products/systems





Who is IMSIA

- Industrial alliance.
- Represents 60% production of flat plate, heat pipe and U pipe solar collectors in China till now.



IMSIA's core members

- 8 solar water heater manufacturers joined IMSIA as core members.
- **122** design institutes attended training seminars on solar buildings national wide.
- 6 leading real estate developers agreed to initiate a trial program with ICA China who would provide technical support to some selected buildings for the design and renovation of solar water heating system.









IMSIA's achievements

- Policies & regulations: 12th -5-Year Plan
- Codes & standards: **22** product manufacturing or system design standards
- Consumers: Trained **3000** engineers, **1500** architectural students,

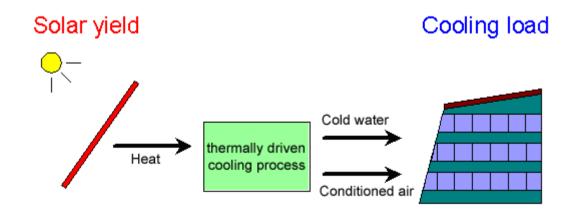
\$8,000,000 investment for market development and promotion for metal solar water heating system during the past 6 years.







IMSIA's market development strategies for solar cooling products/systems





- No.1 ROI, payback time
- No.2 Lack of incentive policy
- No.3 Maturity of technologies



IMSIA's strategies for market development

• Customer choice: large public buildings, library, museum, etc.



United World College in Singapore, 3900 m² solar collectors on the roof, delivering 2200 MWh per year and providing a cooling power of 1.5 MW. Heat is converted into cooling by an absorption chiller.



IMSIA's strategies for market development

• Economical issue: Considering electricity prices and gas prices



Field of solar collectors with a gross surface area of 1.330 m² on the roof of Festo AG & Co. KG in Esslingen.



Choice of technology for heat absorption

• U-pipe solar collector



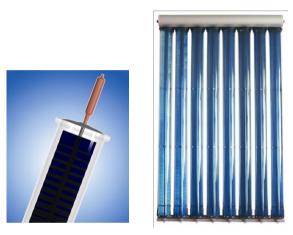


A library in Hainan University, 1492m2 collector. Payback time 10 years. Haikou.



Choice of technology for heat absorption

• Heat pipe solar collector





360kW solar cooling system with heat pipe solar collectors, Sanpu company Office building, Beijing



Choice of technology for heat absorption

• U-pipe with CPC reflector solar collector





The U-pipe with CPC solar collector from Linuo Company



Lobby the government to implement more favorable policies for solar cooling.



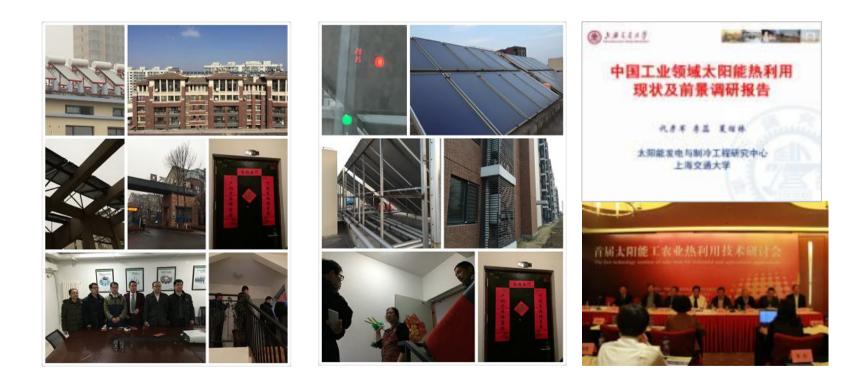


Improve the codes and standards, develop guidelines for designing, construction and operation for solar cooling systems.





Integrate the supply chains of solar cooling products/systems





Influence local government official, designers and owners by conference and seminars



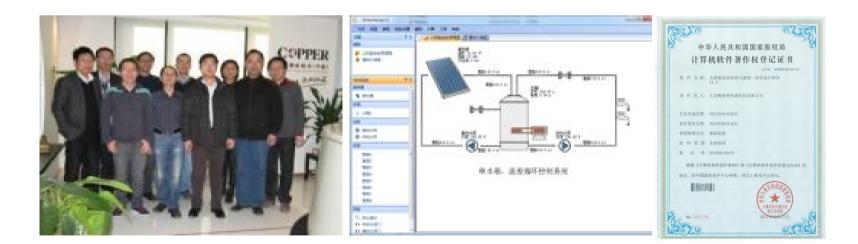
Hefei

Ningbo

Ningbo



Provide solar water heating system design software to designers freely





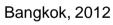
Develop oversea market



Bangkok,2011



Kuala Lumpur,2010







Berlin,2012

Zurich,2013



Welcome to join us!

IMSIA Solar Cooling working Group

A professional market promotion organization for solar cooling.



Contact us



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Thank you

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