



SHC Task 53 - 5th Experts Meeting

April 11-13, 2016 - Madrid, Spain

New Generation of Solar thermal Cooling with Yazaki

Wei Zheng Yazaki Energy System Corporation Beijing Office 2016. 4. 11

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Company Introduction: Corporate snapshot 275th 1.

- Founded in 1929 by Mr. Sadami Yazaki
- **Established as YAZAKI Corporation in 1941**
- Today the company operates globally
- **Privately owned**

Chairman:

Chairman: Mr. Yasuhiko Yazaki

President: Mr. Shinji Yazaki

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• ENERGY SYSTEMS

Absorption & Solar Thermal Technology Electrical Wires Gas Equipment General Transportation Systems



AUTOMOTIVE

Electrical Distribution Systems Components Electronics & Instrumentation High Voltage



• NEW BUSINESS

Recycling Nursing Care



1. Company Introduction: Group global footprint





2. Yazaki's Absorption Chiller in SHC



YAZAKI

3. Yazaki-SHC Development Consideration





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Passive House Project





Passive House Project

Comparison between general buildings and passive buildings



Based on passive house,

•HTC of facades and roof achieves an 85% reduction. •HTC of the window is decreased about 60%.

4. SHC in a passive house of China









4. SHC in a passive house of China





%1 Energy consumption ratio of supply side and load side is 50:50

2 Renewable energy ratio =output of SHC/(output of SHC + output of EHP) **12**

4. SHC in a passive house of china: PE reduction



YAZAKI



technology & initiatives for low temperature driven of YAZAKI WFC



5. New Absorption Chiller Concept



Yazaki's new package SHC system (Plug-in system)







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Thank you for your attention!

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