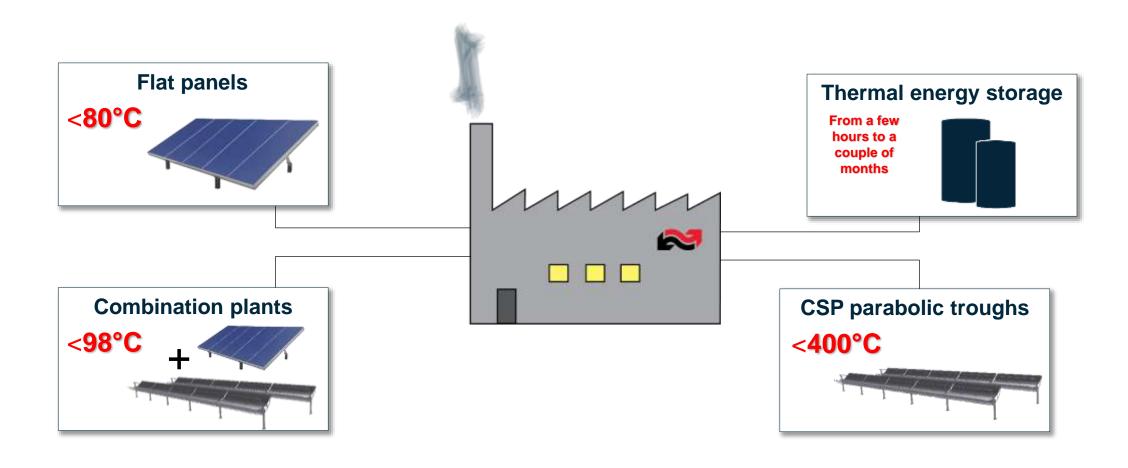


Scandinavian Energy Efficiency Technologies and Best Practices in Advanced District Cooling

Hammam Soliman, Senior Sales and R&D Engineer – Ph.D. – Integrated Energy System Dept. District Cooling 2018 – UAE / Dubai – 11th December 2018



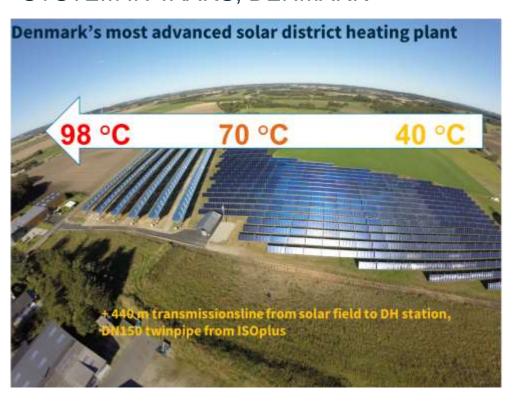
SOLUTIONS FOR ALL TEMPERATURE RANGES





TWO SELECTED OPERATIONAL SHOW CASE STUDIES

<u>6.8MW_{TH}</u> SOLAR DISTRICT HEATING SYSTEM IN TAARS, DENMARK



<u>16.6MW</u>_{TH} CSP FOR COMBINED HEAT AND POWER GENERATION, DENMARK

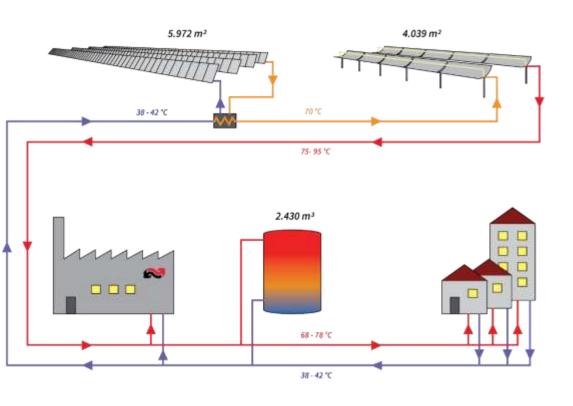




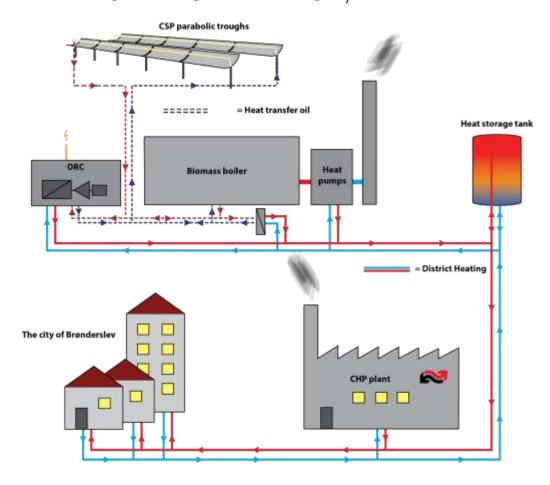
TWO SELECTED OPERATIONAL SHOW CASE STUDIES

- Changing Energy

<u>6.8MW_{TH}</u> SOLAR DISTRICT HEATING SYSTEM IN TAARS, DENMARK

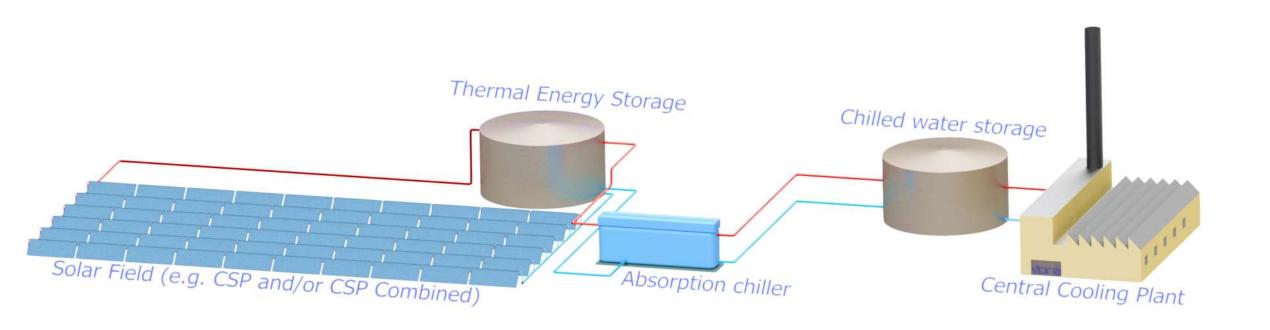


 $\underline{16.6MW}_{TH}$ CSP FOR COMBINED HEAT AND POWER GENERATION, DENMARK





DISTRICT HEATING EXPERIENCE VS. DISTRICT COOLING





REMARKS & CONCLUSION

- Commercially Proven
- Integrated Technology
- Solid Experience
- Acceptable Efficiency
- R&D and TRL

- Environmental Value
- Subsidies Movement
- Governmental Vision
- Awareness Level
- UN Goals and International Agreements



THANK YOU FOR YOUR ATTENTION

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