



**The next generation of Solar Water Heaters**

Are Solar  
Water Heaters  
a perfect fit for  
UAE?



- Over 50 deg. C – Affects equipment

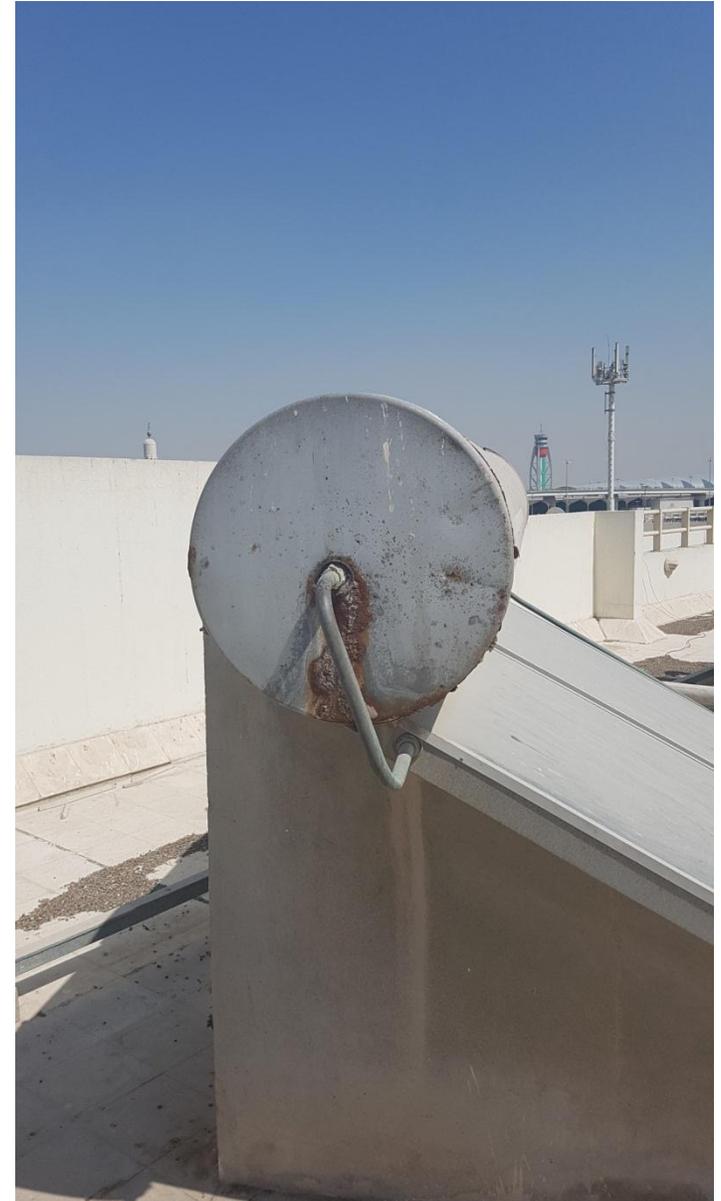


- Over 35 deg. C – Affects performance



# Corrosion

- Thermosyphon system



Cleaning &  
Maintenance

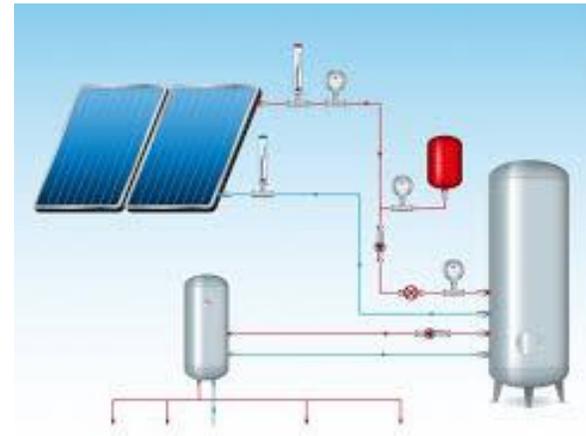


Space

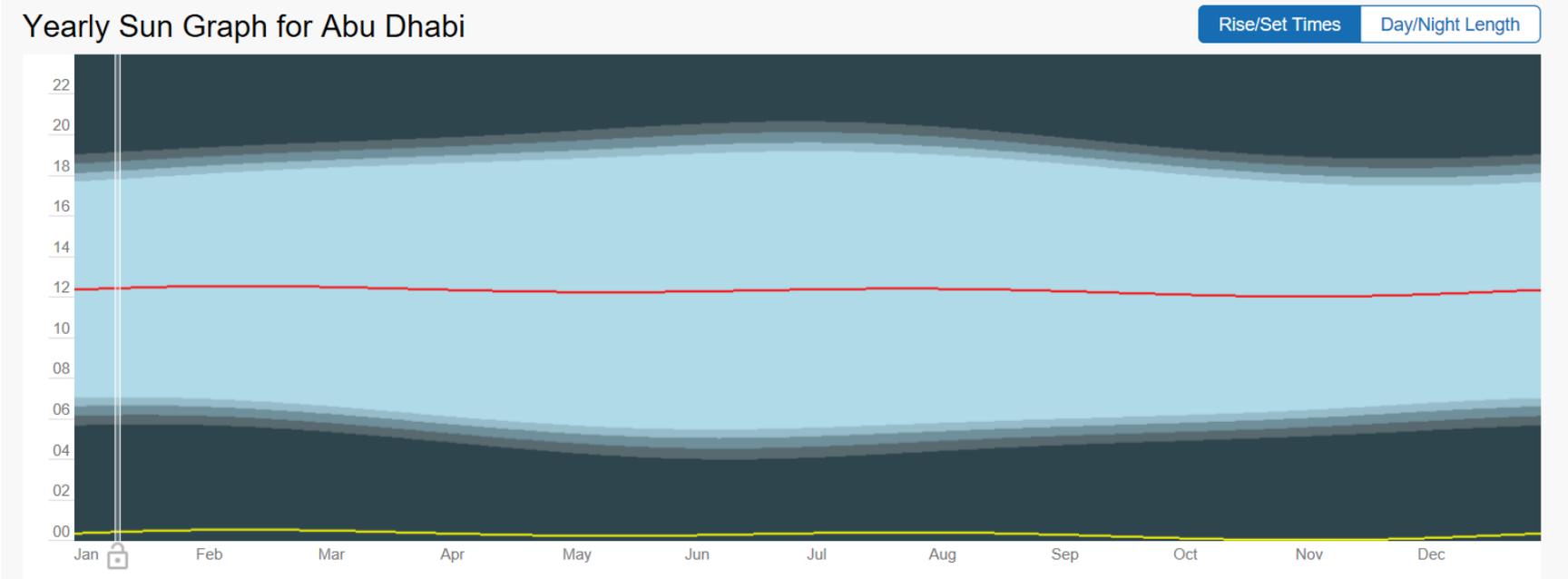


# Force Circuit System

Cleaning & Maintenance



# Operation



Max Sunlight time [10:37 to 13:39] => [43.75% to 56.25%] of the day

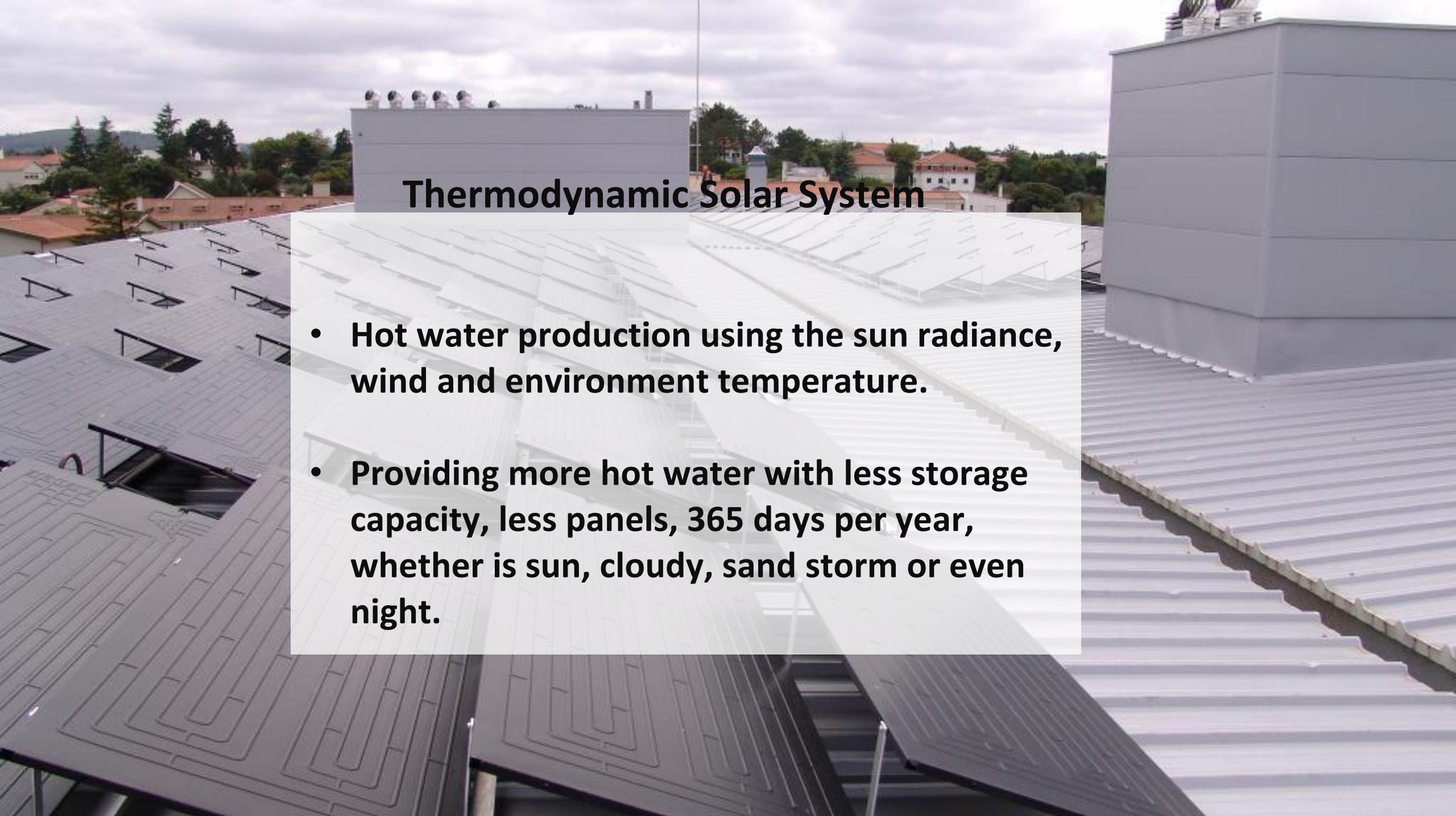
Affected by cloudy days and sand storms  
Backup usage during night

# Alternativ

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## Thermodynamic Solar Systems

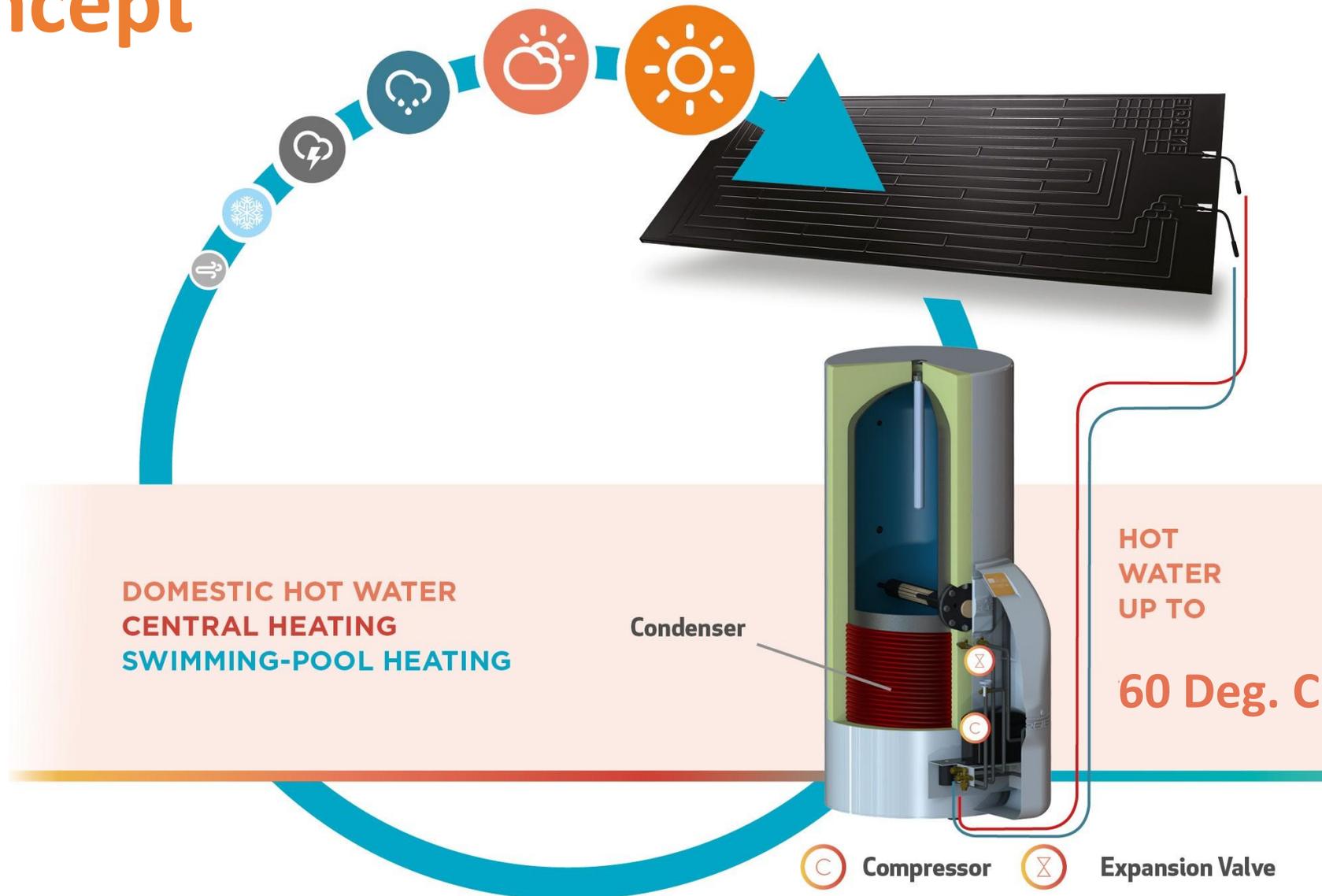




## Thermodynamic Solar System

- **Hot water production using the sun radiance, wind and environment temperature.**
- **Providing more hot water with less storage capacity, less panels, 365 days per year, whether is sun, cloudy, sand storm or even night.**

# Concept





# Advantages

- **No overheating**
- **No corrosion**
- **No cleaning required**
- **Minimal Maintenance**
- **80% less space required**
- **Flexible installation**
- **Operation per demand**
- **Low running cost**













## References - Institutions



بلدية دبي  
DUBAI MUNICIPALITY



مستشفى دانة الإمارات  
Danat Al Emarat Hospital  
النساء والأطفال WOMEN & CHILDREN



THE SUSTAINABLE CITY  
A PROJECT BY DIAMOND DEVELOPERS





Thank you for your time and attention.

I remain at your complete disposal for any further clarifications or details you may require.



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