



Harnessing the cooling
potential of the *sky*



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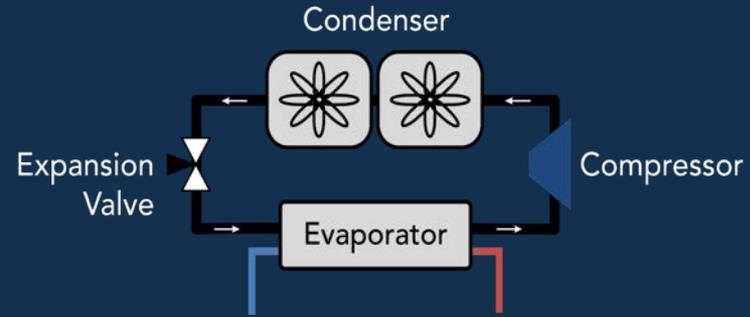
<http://www.skycoolsystems.com>

Bloomberg

The Problem with Today's Cooling Systems

Vapor compression

- High energy usage
- Efficiency depends on ambient air temperature



Air cooled condensers and cooling towers

- Noisy
- High water usage
- High electricity usage



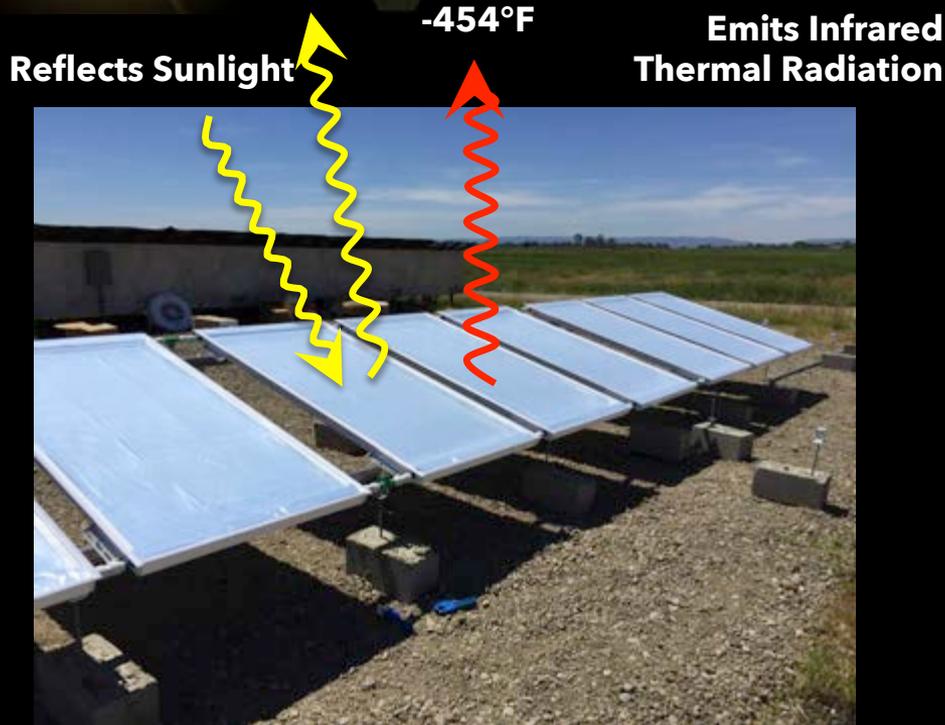
SkyCool Panels

Ancient inspiration: *Ice Houses*



Image Courtesy Erika Alatalo

Sky cooling: How it works



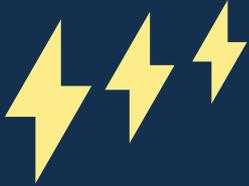
Passively cools up to 20°F below air temp. when exposed to the sky (even under sunlight)

Enabled by **scalable** optical coatings: seminal research by founders at Stanford

Validated and Peer-Reviewed:

Nature (2014), *Nature Energy* (2017),
ASHRAE (2016) , PNNL (DOE) Third-Party
Study (2015)

Key Capabilities



**Typically Reduces
Electricity Use
20%**



Operate 24/7



**Zero Water
Use**



**Simple Add-On
Cooling Systems**



**Silent
Operation**

First Pilot in Davis, California (2017)



Commercial Pilot Deployment





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