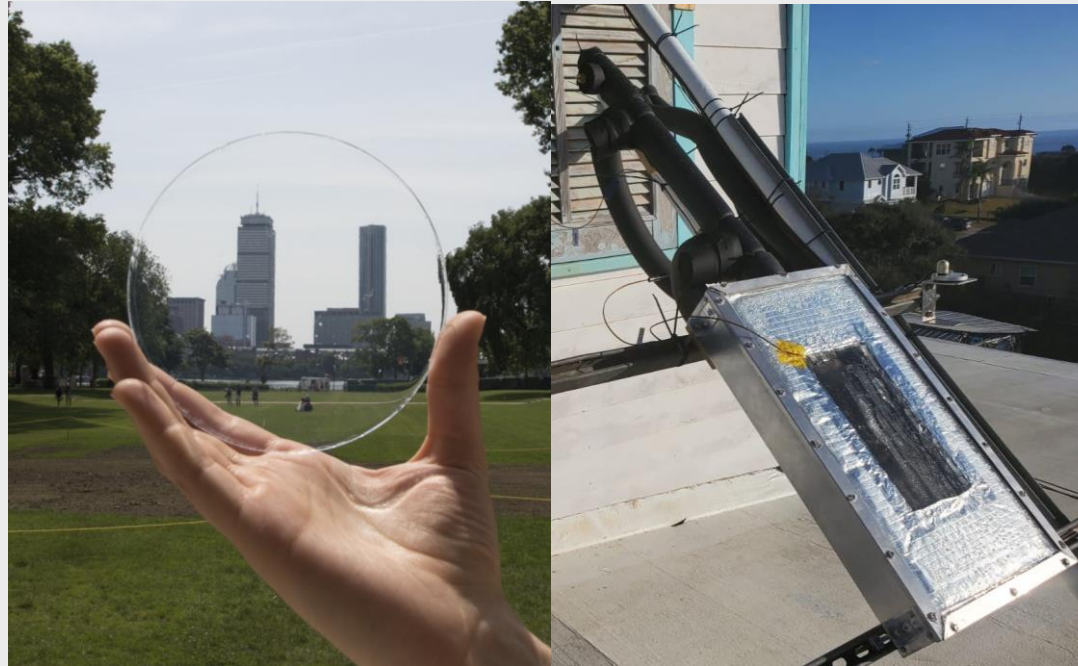


AeroShield manufactures the world's most transparent super-insulating silica aerogel...

...enabling direct conversion of sunlight to heat and reducing the LCOH of solar desalination

- Silica aerogels are among the most insulating materials ever created – but have always been blue
- AeroShield CEO Dr. Elise Strobach is one of the inventors of optically transparent aerogels developed at MIT
- The material allows light to pass, but does not let thermal energy escape, dramatically improving the performance of solar thermal receivers



*A sample showing AeroShield's record-breaking clarity*

*A prototype of a rooftop solar thermal collector with AeroShield*

- AeroShield's material can be used in flat plate or CSP solutions – we are looking for partners through the Solar Desalination Prize!
- An object left in the sun will get hot; AeroShield provides transparent insulation that can bring a flat plate receiver up to 450 °F in ambient sunlight
- The receiver is up to 3x more efficient at creating thermal energy (hot water/steam) than photovoltaics + electric boilers at 250 °F

