

THE GLOBAL COOLING PRIZE

Residential Air Conditioning Poses a Critical Threat

THE PROBLEM



By **2030** over **1/2** of the world's population will live in hot climates



Cooling demand will boom **3x** by **2050**, posing a huge climate risk



2.5 B AC units will be in use globally by **2050** (compared to only 900 M today)



Only **14%** of theoretical efficiency has been reached by today's best AC technology (most ACs attain just 6%)

THE SOLUTION



Spurs climate-friendly residential cooling tech that uses **3–5x** less energy and fulfills 9 other requirements



Is led by a coalition of global partners that engage industry and markets to identify and scale a solution



Awards at least **US \$3M** in prize money



Is just the start of an era of global innovation and transformation for the industry

THE IMPACT



Affordable access to cooling in parts of the world where it is becoming a critical need



Potential to mitigate **1°C** of global warming by **2100**



3,200 TWh in avoided grid capacity



A cooling technology in billions of homes that uses **5x** less grid energy

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MISSION INNOVATION
Accelerating the Clean Energy Revolution

