

Solar Water Purification and Distillation



ENVIRONMENTAL

Three hundred million families purify water via boiling daily. Replacing boiling with F Cubed's solution means a reduction of 1-2 tons of CO2 per family/year.¹



SOCIAL

estimates that 23 billion productive days are lost annually through illness and disease caused by contaminated water sources.²



ECONOMIC

According to F Cubed, universal access to improved water sources by 2015 would result in an annual economic benefit of \$344 billion.

→ F Cubed's solar energy technology purifies, desalinates, and distills any water source by mimicking the natural water cycle, with minimal ongoing costs.

F Cubed aims to be a solution to the world's clean water issues using only **natural renewable solar energy to produce purified water** from any contaminated feed water source. The technology is bio-mimicking the natural water cycle of evaporation and condensation to produce pure distilled water. In addition, it produces a second water supply of UV disinfected, heated, and filtered water, precipitating inorganic compounds and **leaving no waste**.

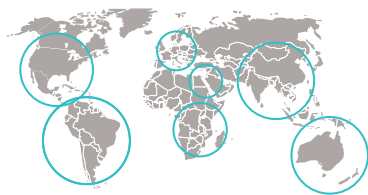
Each panel has a 20-year operating life and treats an average of 20 liters per m2/day of water, exceeding WHO drinking water standards, with zero carbon footprint.

Why a Sustainia100 solution?

Contaminated drinking water causes over 3.4 million deaths per year, huge health costs, and loss of productivity. The F Cubed solution purifies water; eliminates the need for boiling; is low-cost, modular, and robust; and provides a positive global environmental impact while improving the quality of life for millions of people.

Developed in Australia

Deployed in 36 countries, including Australia, China, Fiji, Sri Lanka, Botswana, Peru and USA.



¹ Thomas Clasen, "Estimating the Scope of Household Water Treatment in Low- and Medium-Income Countries."

² WHO, "Safer Water, Better Health: Costs, Benefits, and Sustainability of Interventions to Protect and Promote Health."