

تحدي  
عمان لتطوير أنظمة  
التحلية الفردية لحالات  
الكوارث الإنسانية

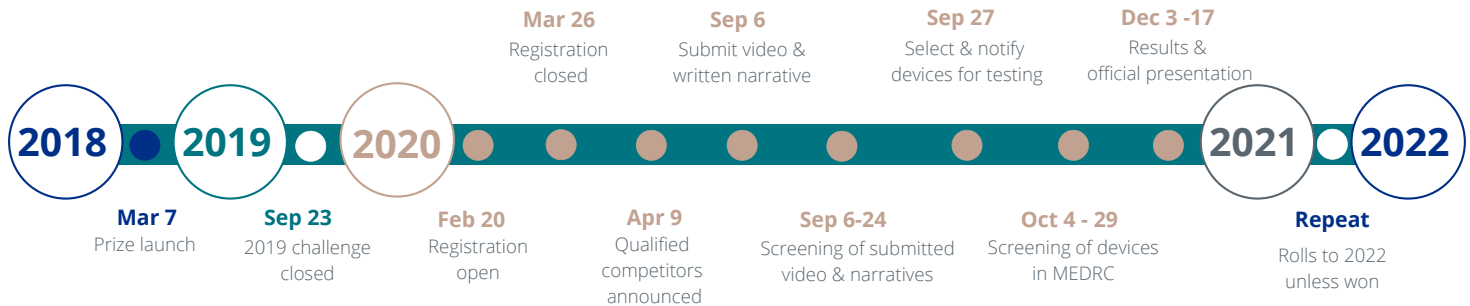


OMAN  
HUMANITARIAN  
DESALINATION  
CHALLENGE

# \$700,000 Global Water Prize

The Oman Humanitarian Desalination Challenge seeks to deliver a hand-held, stand-alone, low-cost, desalination device for short-term use and rapid deployment following humanitarian crises

## The Challenge Timeline



**Hand-held**  
The device will be hand-held and easily transportable

**Robust**  
Resilient, corrosion resistant, operated through pictorial instructions, long shelf-life, minimal use of easily lost parts

**Stand-alone**  
There will be no addition of chemicals, fuel, or other external materials, other than the the seawater to be purified

## Challenge Prize Winning Criteria

**Low-cost**  
The estimated production cost of the device will be \$20

**Rate of production**  
Device will produce a minimum of 3 liters of purified water per day, including cloudy days

**Quality**  
Device will purify 100 NTU, 35,000 mg/L seawater to 1000 mg/L TDS and meet WHO maximum contaminant levels

**Short-term use**  
The device will operate for a minimum of 30 days



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