

Winston Cone Optics Excellence in Nonimaging Optics Design





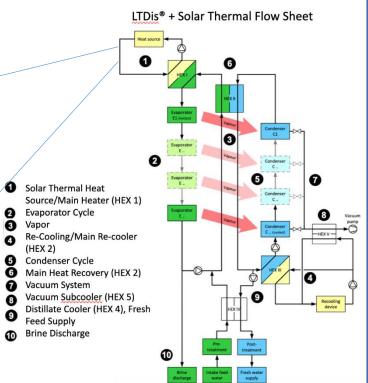
U.S. DEPARTMENT OF ENERGY

Mobile PFAS Treatment

Combining WCO's low cost solar thermal with CCR's low temperature distillation for robust mobile desalination system capable of treating a diverse range of hard-to-treat water sources (e.g. oil & gas produced water and PFAS contaminated wastewater).

- Robust capable of treating wide range of input water qualities
- Scalable solar field and distillation units stacked to increase capacity
- Mobile full system containerized for multiple locations as needed
- **LCOH** < 3 cents/kWh target cost parity with U.S. industrial natural gas
- **LCOW** \$5-10/m³, depending on level of contamination





CCR's proposed project uses our patented, Low Temperature Distillation technology (LTDis®) with solar thermal heat as the energy source.

- Heat transfer happens on billions of water droplets rather than on solid surfaces which eliminates most scaling and fouling.
- Can operate at high concentrations
- Ideally suited to utilize solar thermal energy because it can operate under partial load.
- Can handle challenging waste streams up to 300,000 ppm and achieve high conversion ratios.