

Large Scale Salt Purification Demonstration

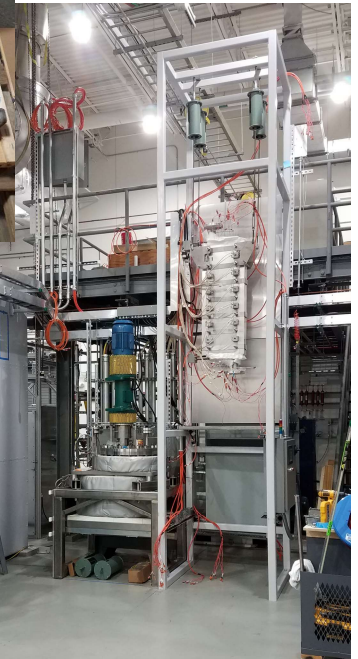
- Demonstrated successful purification of **210 kg** salt batch
 - Scaled up <8kg process developed by NREL, SRNL, ORNL
- An electrochemical sensor provided unique insight into the purification process.
 - Unprecedented process monitoring provides insight to improve future purification processes



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Facility to Alleviate Salt Technology Risks

- Successful design and sourcing of engineering-scale components for 300 kW scale test facility
- Informed by science and experience from salt purification, corrosion data, sensor development, and bench-scale testing



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Salt Bearing Compatibility and Tribology

- 18 successful pin-on-disk tribology tests (7 material pairings in 750 C salt) with MgO particulate to inform bearing and other moving contact component designs
- 30 successful static corrosion tests (10 materials, 500 hours, 750°C) investigating weight loss and change in surface roughness
- Results inform future prototype pump bearings



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