



NRIC

National Reactor
Innovation Center

Mechanisms Engineering Test Loop (METL)

Derek Kultgen, P.E.

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A decorative graphic in the bottom right corner featuring a large teal triangle pointing upwards and a smaller blue triangle pointing downwards, both with sharp edges.

Fact Sheet

- 750 Gallons R-Grade Sodium
- 538/650°C Operating Temperature
- Parallel Test Vessels
- Sodium Oxide Purification & Monitoring
- Supporting Infrastructure
- Consultation



Component Highlights

Modern
I&C



ALIP



Welded
Bellows
Valve

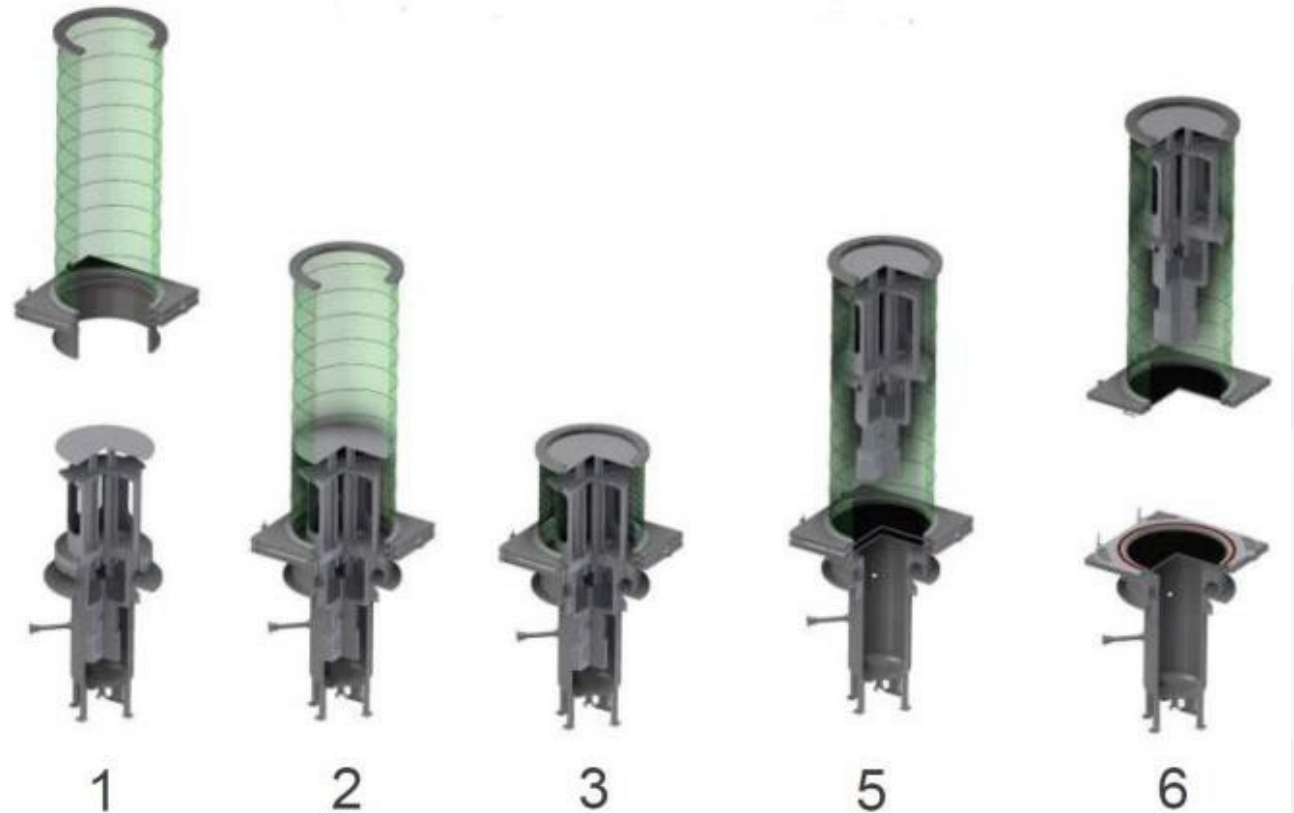


Dump
Tank



Operational Lifecycle

- Insert
- Insulate & Heat-up
- Fill & Purify
- Operate
- Drain & Cool-Down
- Remove Insulation
- Extract

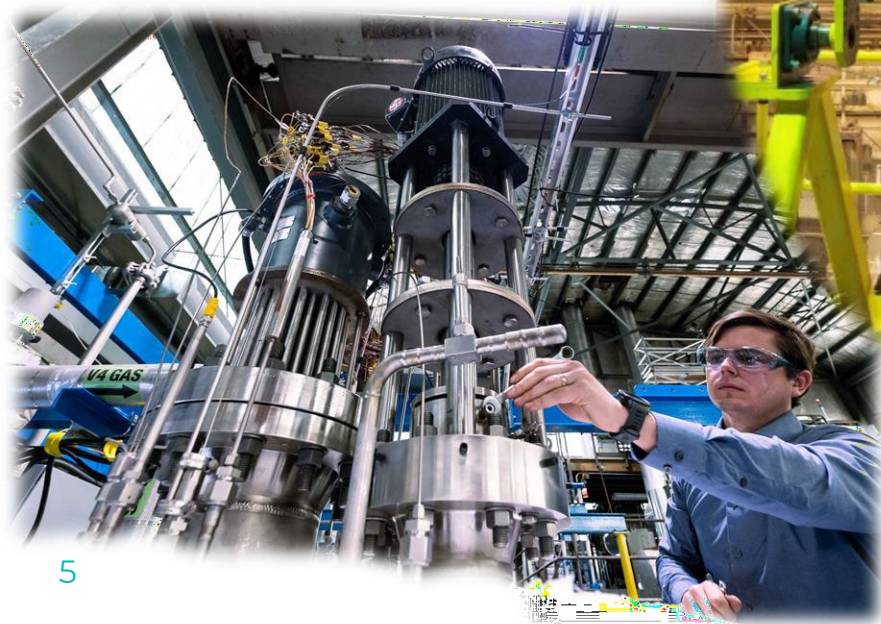




Clientele

GTA

THETA



XR



NEUP-SHM



Resources

- [Anl.gov/nse/metl](https://anl.gov/nse/metl)
 - Reports
 - Virtual Tour
 - Promo Videos
- dkultgen@anl.gov





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www.nric.inl.gov