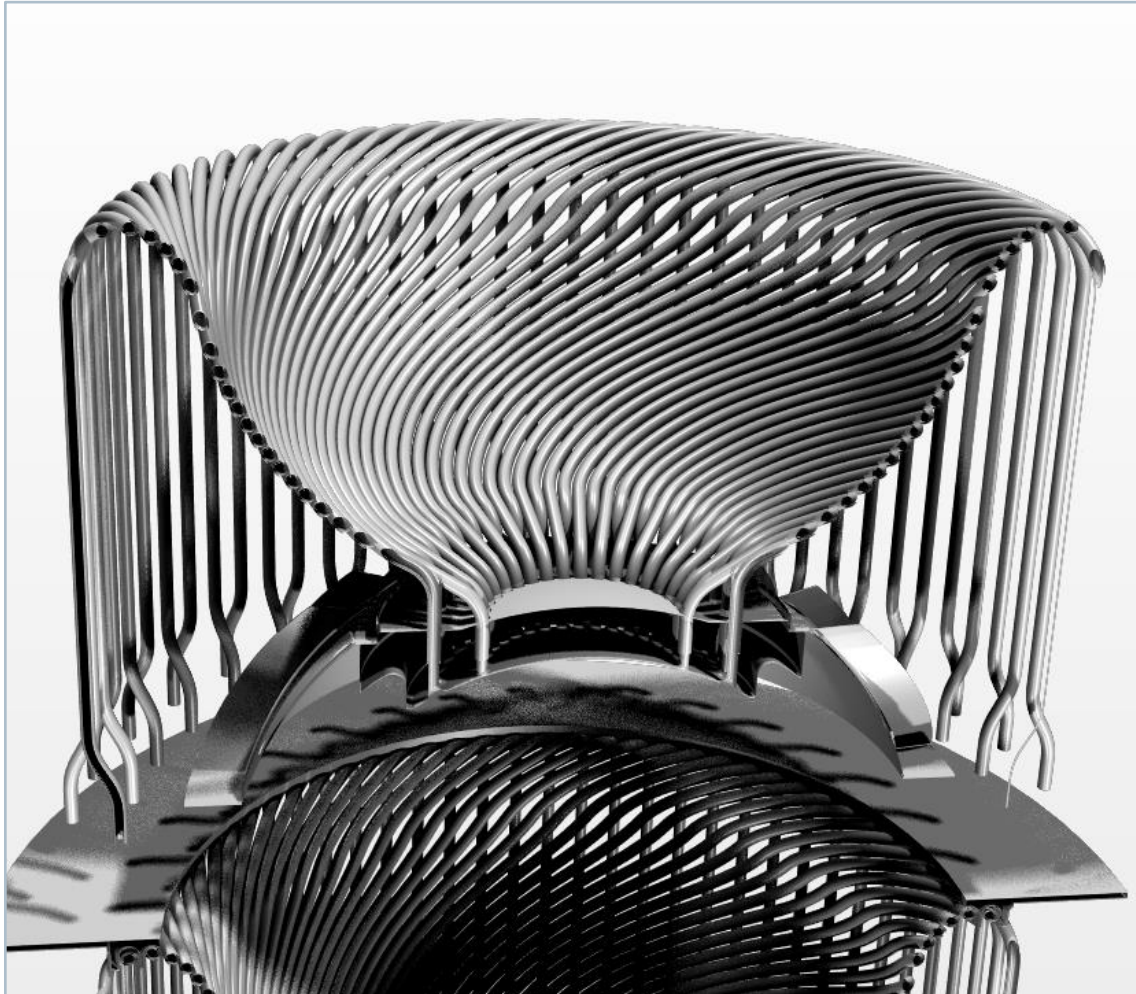
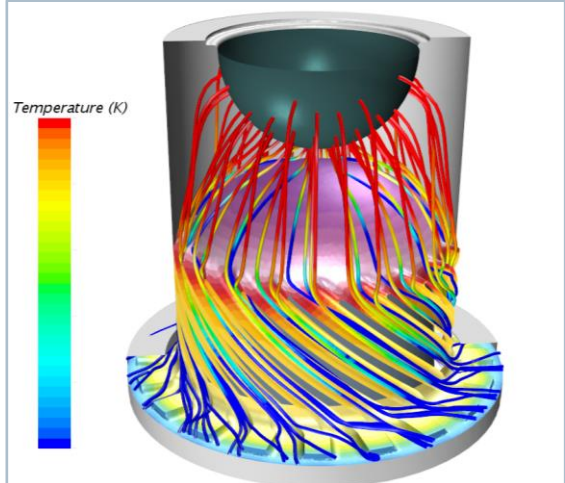


ThermoLift develops heat pump that reduces energy costs



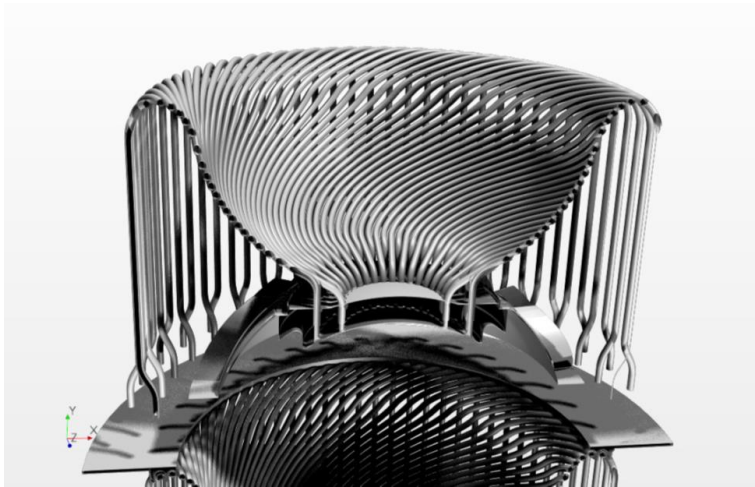
ThermoLift integrates automated design optimization, allowing simulation to drive the design process.

30-50%
reduction in building heating/cooling consumption and costs



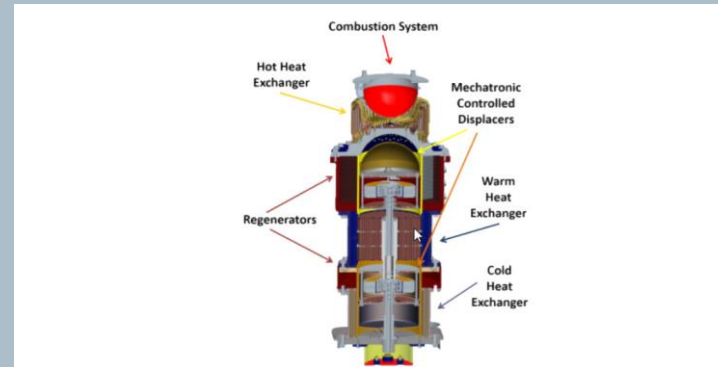
ThermoLift

Designing the next generation heat pump with Simcenter STAR-CCM+

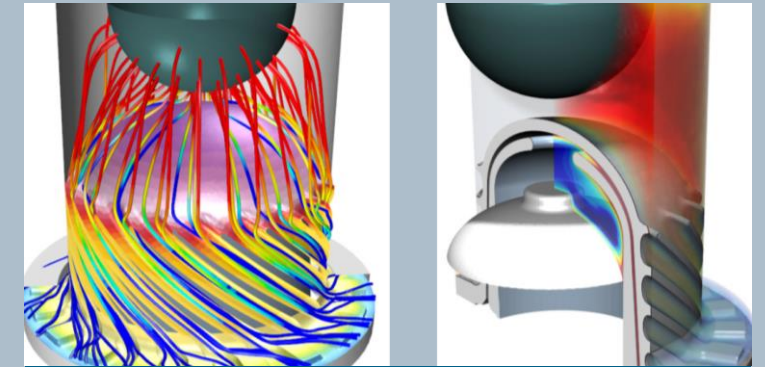


- **Reduced energy consumption by 30 to 50 percent**
- **Reduced risk & cost by eliminating bad designs before physical prototyping**
- **More innovative designs with automated design exploration**

Improve performance & reduce time for new heat exchanger designs



ThermoLift's innovative heat pump



Heat exchanger temps and radiation heat flux

- Include all necessary components, physics and motion to predict real-world heat exchanger efficiency
- Use automated design exploration with simulation to drive the design process

With continued technology transfer and the support of Simcenter Engineering Services, the ThermoLift simulation team has become experienced Simcenter STAR-CCM+ users, simulating and developing components every day.