

THERMOLIFT

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ThermoLift is developing a cold-climate, natural gas air conditioner and heat pump technology that combines heating, air-conditioning & water heating into a single appliance.

IT WILL PROVIDE:

30-50%

reduction in HVAC costs

+

Associated reductions in greenhouse gas emissions.

PROBLEM:

The US spends over \$200 billion on HVAC annually



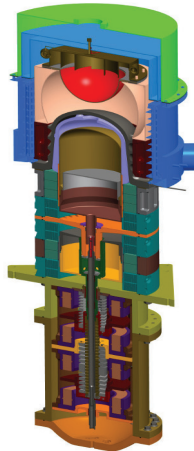
In the US, 17% of total energy is consumed for HVAC



The US emits nearly 1 billion tons of CO₂ for HVAC



SOLUTION:



- ▶ 30-50% Reduction in Energy and Costs
- ▶ One Appliance: Heating, Cooling, and Hot Water
- ▶ Target Market: Small Commercial and Residential
- ▶ Cold Climate Performance
- ▶ Natural gas Using Minimal Electricity
- ▶ No Compressors Thus No Refrigerants
- ▶ Heating: 85,000 Btu/hr. Cooling: 3.5 Tons

PROGRESS AND SUCCESS:

ThermoLift has built and is testing two prototypes as part of development funding provided by the Department of Energy, NYSERDA, Wells Fargo, and private investments, totaling:

\$12^M+ in capital

