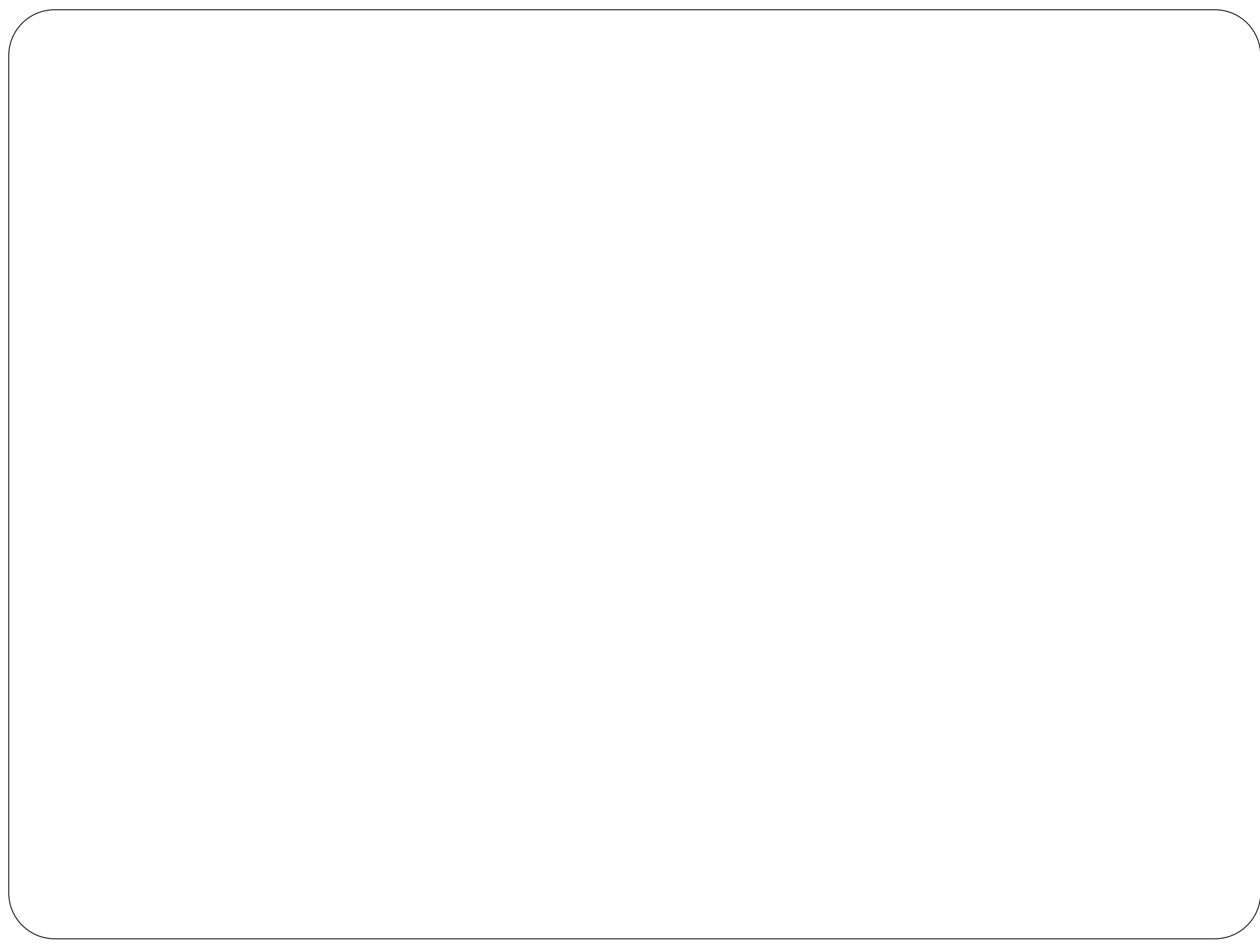


# Lava Energy Systems Inc.

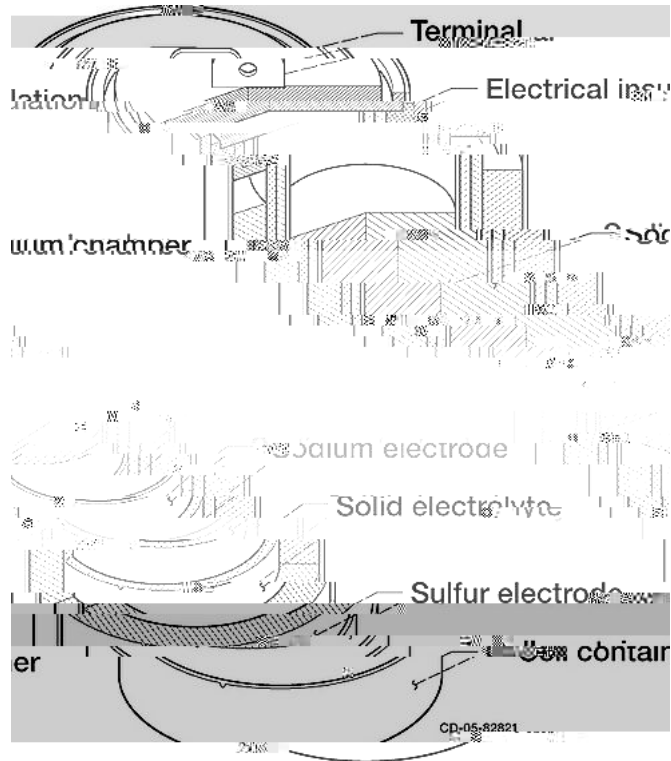
SMU Geothermal Conference  
November 3, 2009

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# Molten Salt Batteries



Sodium sulfur battery schem





# Benefits

- ☒ **Redefine Geothermal as Reliable Load Following Energy:**
  - ☒ 'Top Off' Air Cooled Power Losses
  - ☒ Power Shifting to Load Following
  - ☒ Improve Power/Demand Quality
- ☒ **'Black to Green' Conversion of High Temp Oil/Gas Wells**
  - ☒ Storage Services for Co-Located Wind/Solar Resources
  - ☒ Energy Harvesting of Battery Waste Heat
    - ☒ 200KW Geothermal Plant supporting 5MW wind
    - ☒ Geothermal Plant Harvests 500KW Waste Heat
  - ☒ Capacity Firming and Time Shifting of Wind/Solar Resources

# Status

## ☒ Confirming Strategic Relationships

### ☒ Cell Manufacturing and Development

#### ☒ Utilize 'Off the Shelf' Technology

#### ☒ GE and MES-DEA Ramping Up Zebra Cell Technology

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