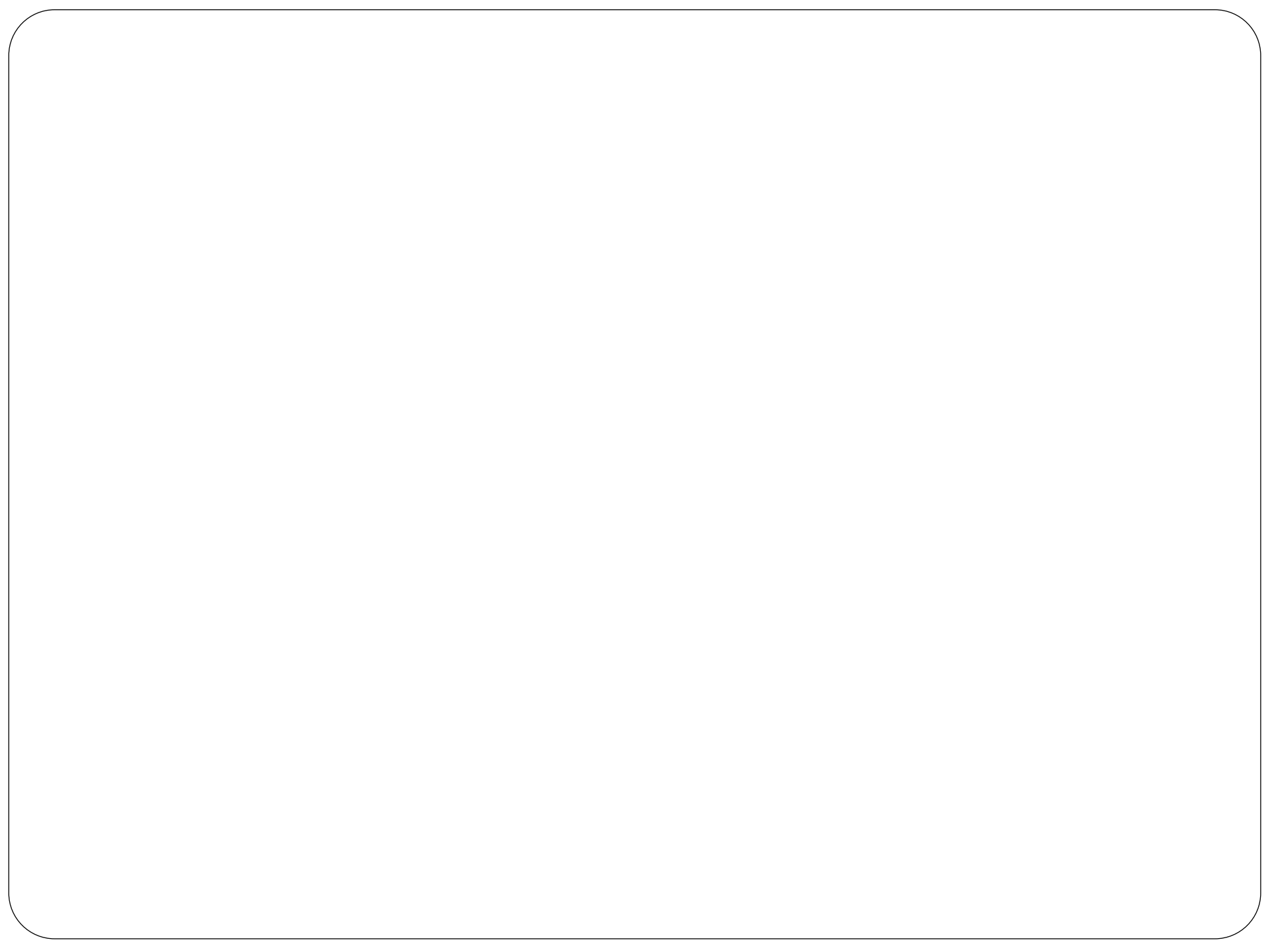


Lava Energy Systems Inc.

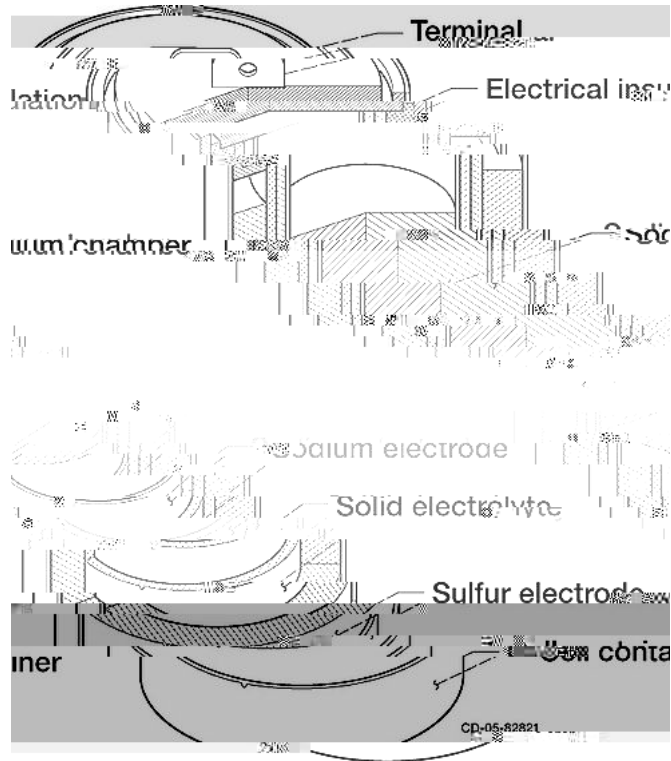
SMU Geothermal Conference
November 3, 2009

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Molten Salt Batteries



Sodium sulfur battery sche

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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