

Final Review MSDII

- For next phase incorporate a microcontroller: will require CE's on the team as well as EE's
- Understanding how the TE & Boost react
- The inductive load is not as difficult as understanding the TEG as a source. The difficulty lies in changing the delta T across the TEG
- An explicit description of our final product: TEG Module, two Boost converters (PTN04050), one battery charger, one switching circuit
- Auxiliary charging circuit, auxiliary boost converter, and USB were eliminated from final design due to power constraints
- Critical shortfalls: Power consumption and startup with battery power
- Lack of power budgeting was a major factor of why the final product didn't work as intended
- Change "Virtual Circuit" to "TEG Circuit" and "DC-DC Converter" at the load terminals