STEFs Hardware Division

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Project Description

- Protective Cover (GPS/Ipaq/Expansion Pack/Cables)
- External battery for probe/Ipaq
- Field equipment calibration (chemistry, chlorophyll/E. coli, current meters)
- Manual probe GUI
- Back up files on CF card
- Power meter
Where do we fit in?

- the power behind the system
  - insure the usability and safety of all equipment/hardware for the project
Current Projects

- HydroLab/Ipaq power source integration
- Power meter circuit design
- AquaPac modification
Advisor’s Projects

- Idea of DC/DC converter
- Ordered DC/DC converter
- Design of power meter circuit
- Advising on the drilling of the AquaPac
- E&M god
Upcoming Projects w/ Time Table

- Week of 10/22
  - AquaPac--sealing
  - Send power meter design to ExpressPCB
  - DC/DC circuit test & send to ExpressPCB

- Week of 11/5
  - Casing for DC/DC converter
  - Integrate DC/DE converter & power meter into battery pack
Upcoming Projects
w/ Time Table

- Week of 11/12
  - Manual probe GUI
  - Back up files on CF card

- Week of 11/26
  - Trial run--make everything look nice
  - Calibration of all equipment