

STEF S Hardware Division

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Project Description

- Protective Cover (GPS/Ipaq/Expansion Pack/Cables)
- External battery for probe/Ipaq
- Field equipment calibration (chemistry, cholorphyll/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