MHD Modeling.

Needs:
- codes able to analyze complicated 3D and 3D structures (and so current flow paths) gross scales
- Methods ~~Codes~~ able to analyze phenomena resulting from complicated B fields, transients and spatial dependence. small scales ; Turbulence

Development Paths:

- Modify existing hydrodynamic free surface codes to deal with MHD forces and equations {UCLA, Boeing, LANL}
- Modify existing plasma MHD codes to include free surface tracking and boundary layers. {PPPL, UT}
- Pay commercial companies {Flow 3D} to develop capability through SBIR grant