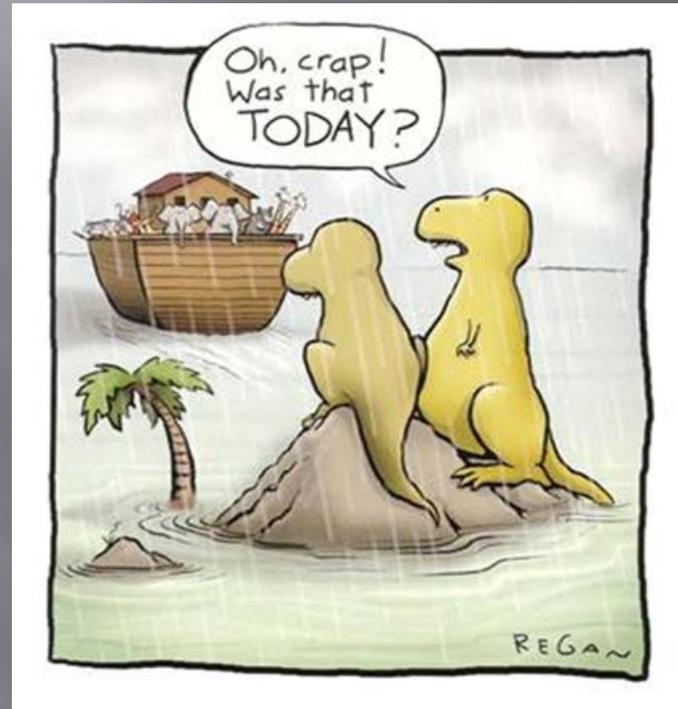


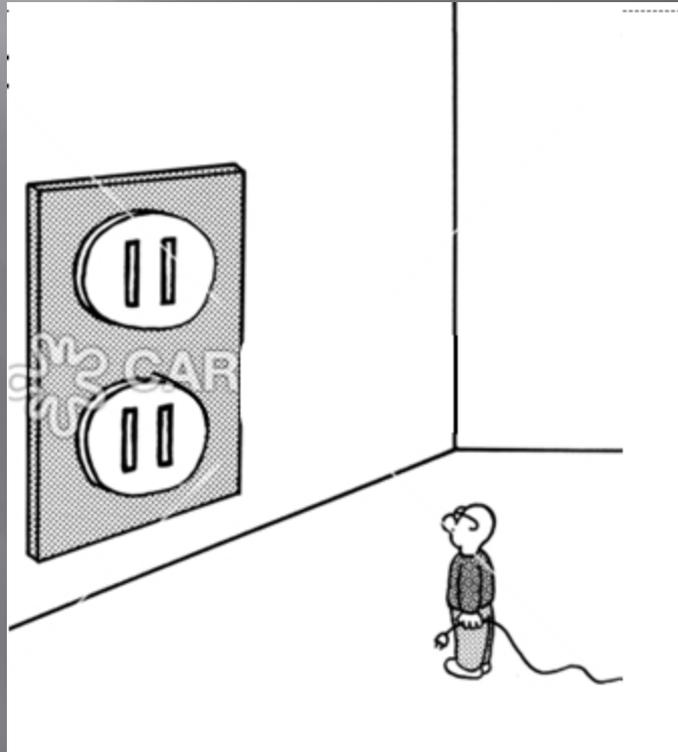
LIQUID COMMISSIONING

Dave Martinez
Sandia National Labs
November 17, 2013

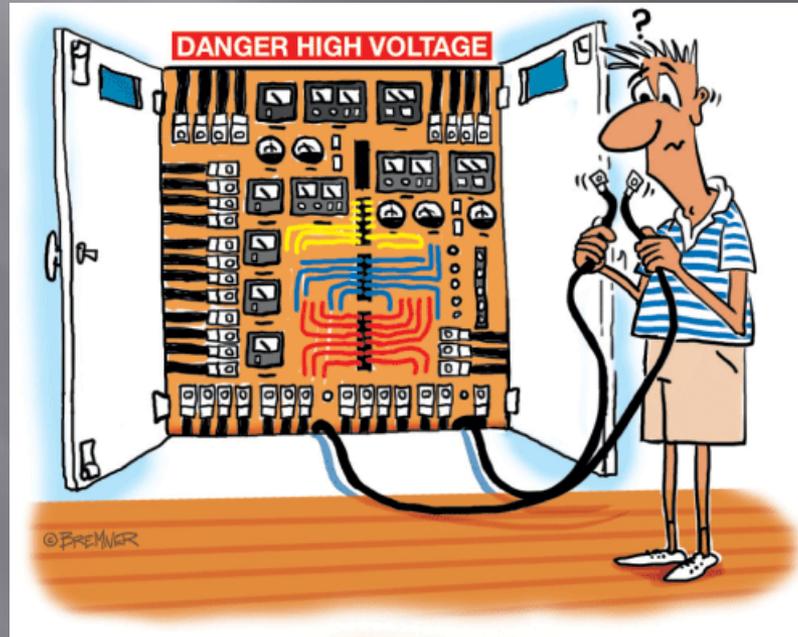
Planning



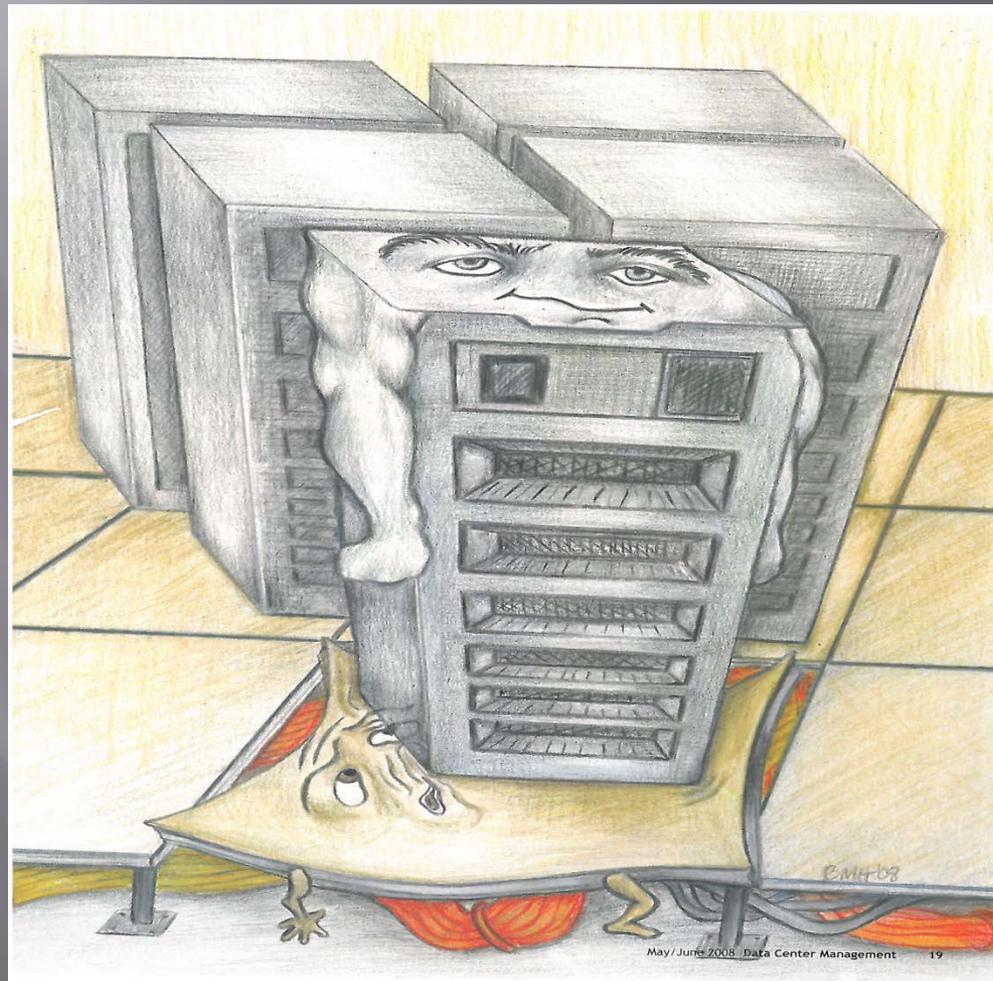
Product Meets Design



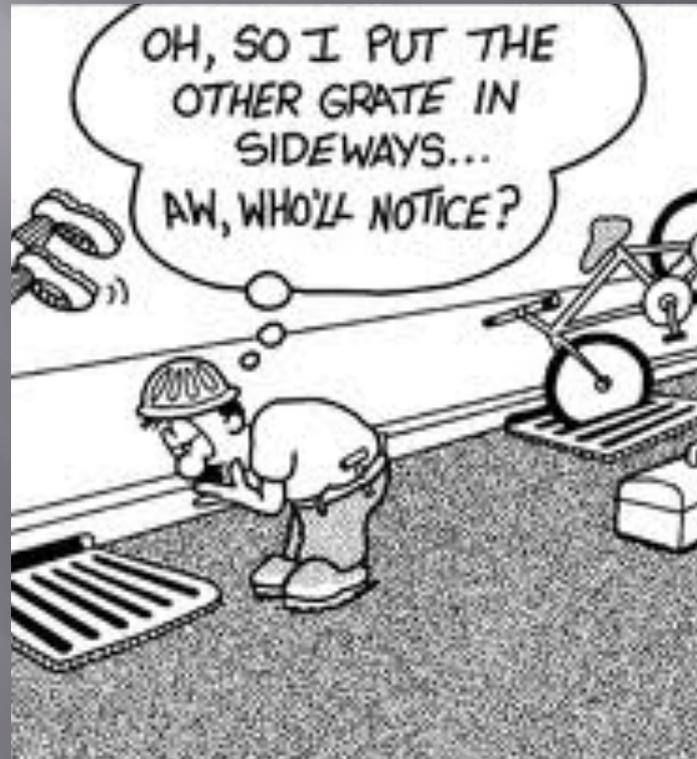
Electrical Commissioning



Structural Commissioning



Infrastructure Design = End Product



Why Liquid Commissioning?



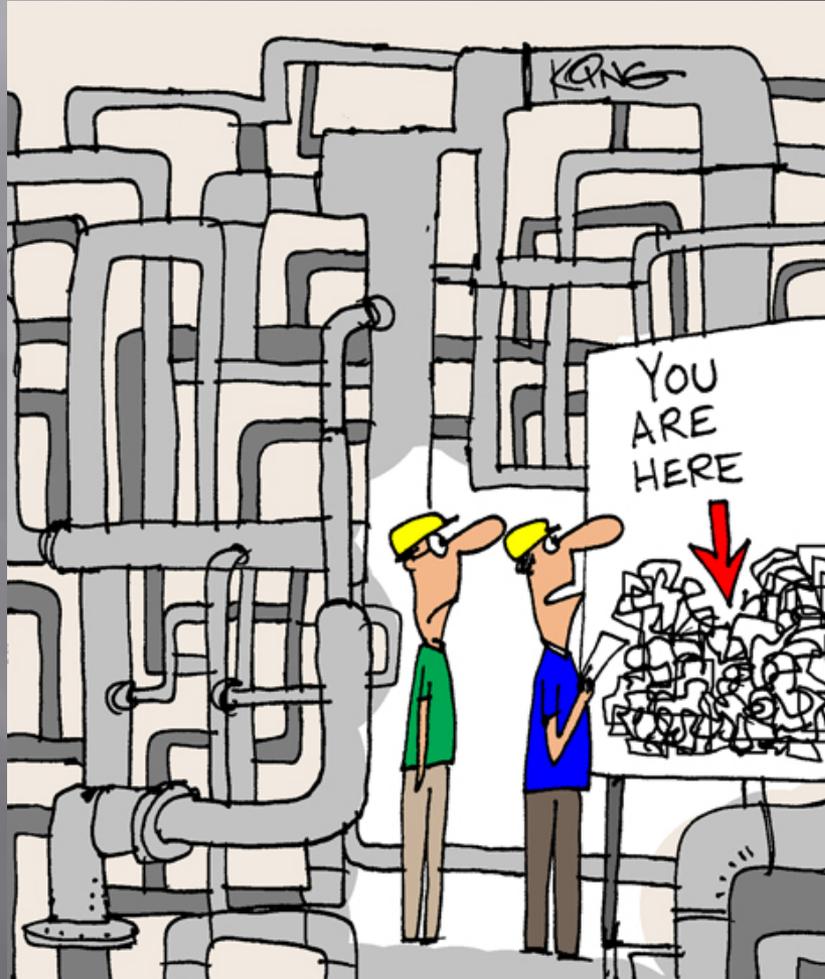
Prevent The Bucket Brigade



Secondary Piping



Commissioning Process Verifies Performance Matches Design



EE HPC WG

- ▣ We wrote a guideline called "Liquid Cooling Commissioning" that is available on <http://eehpcwg.lbl.gov/documents>
- ▣ We would like your feedback on this document.
- ▣ Please join us at our BoF. "Best Practices for Commissioning Liquid Cooling Infrastructure." 12:15-1:15 in Room 404.
- ▣ The guideline has four sections: Design Description, Commissioning Plan, Acceptance Test Procedure and Lessons Learned.
- ▣

Questions?