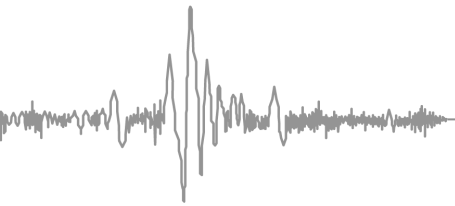
PASSCAL Engineering Methodology

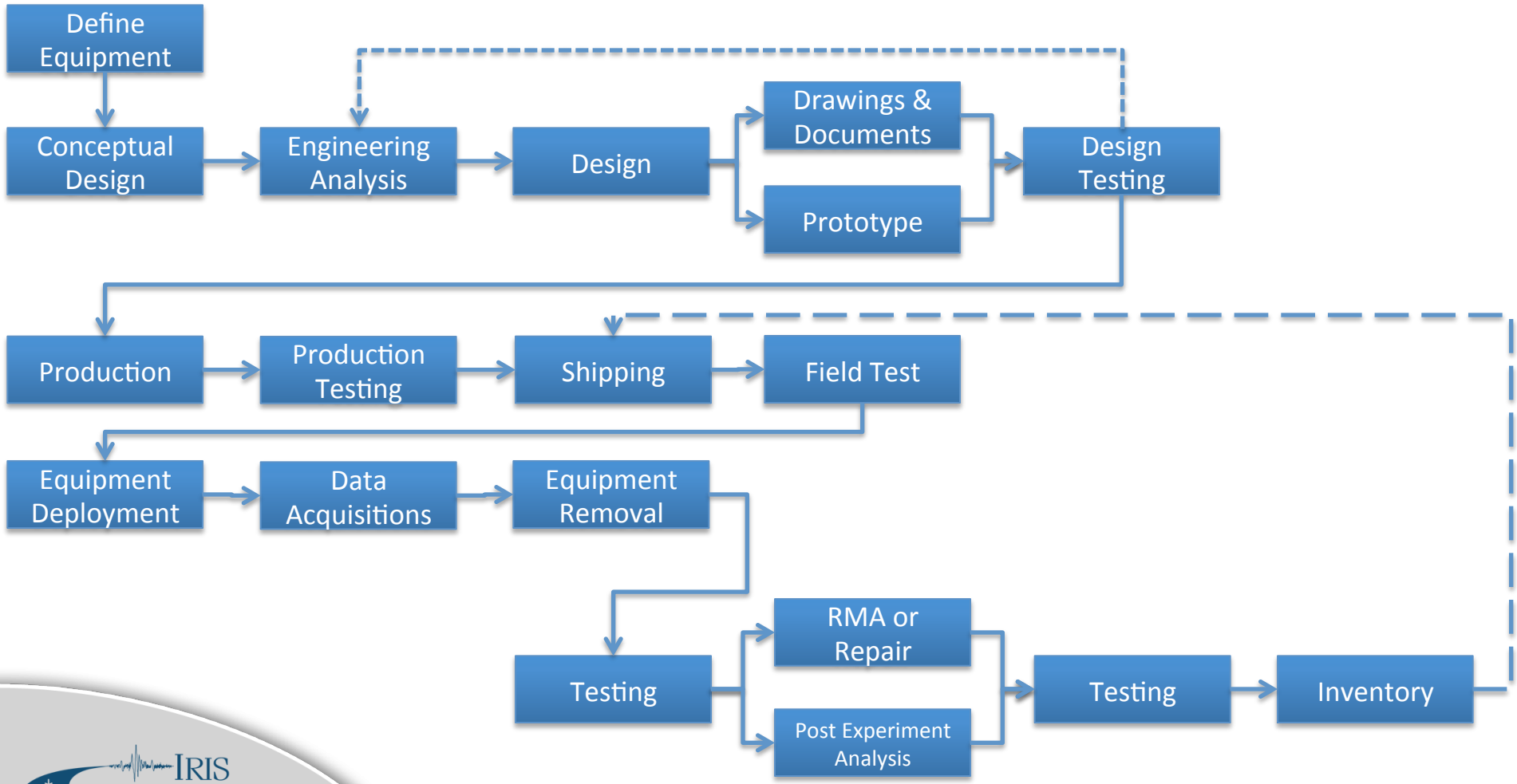
Paul Carpenter

4/28/2015

IRIS PASSCAL POLAR PROGRAM

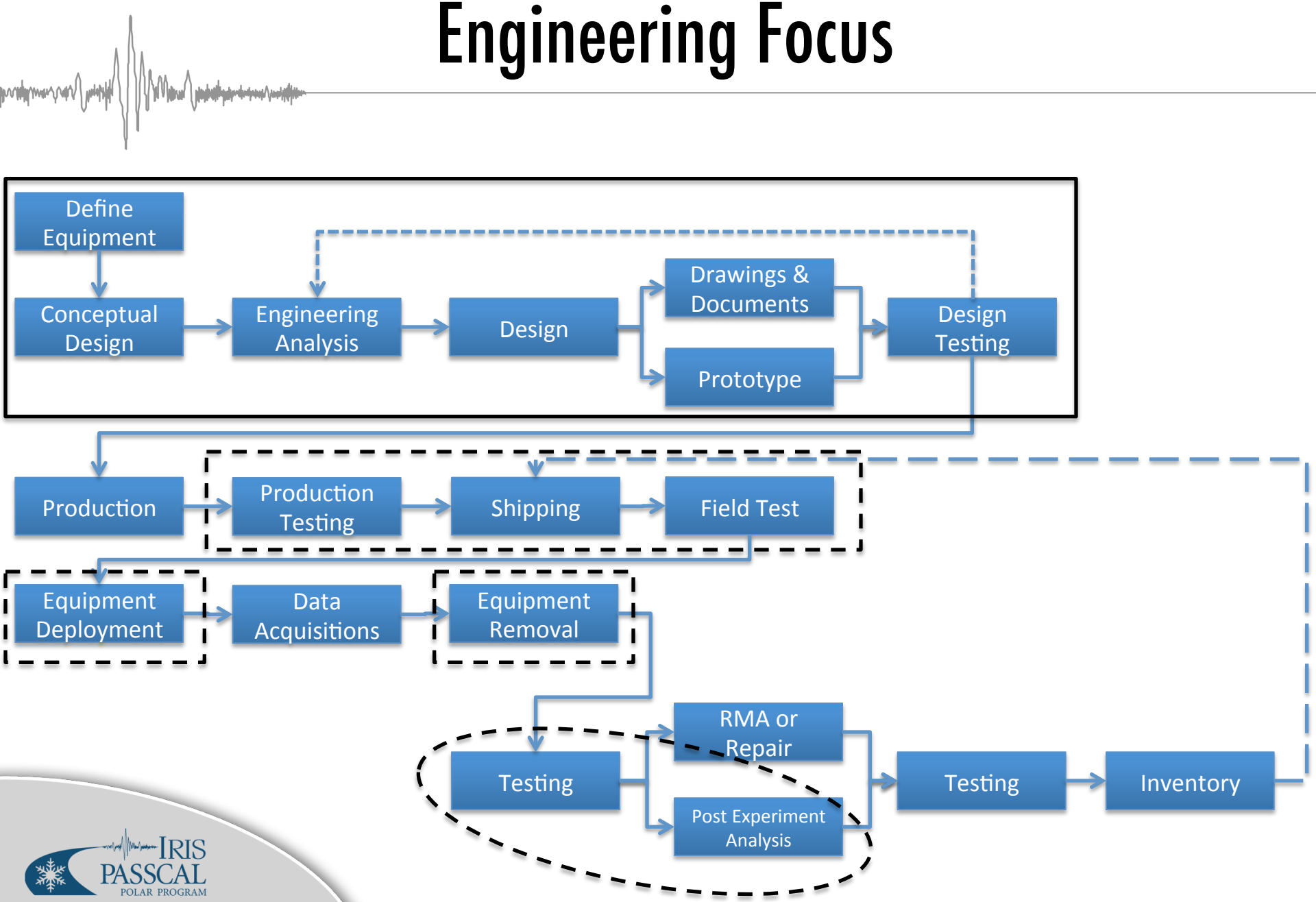
Equipment Life Cycle





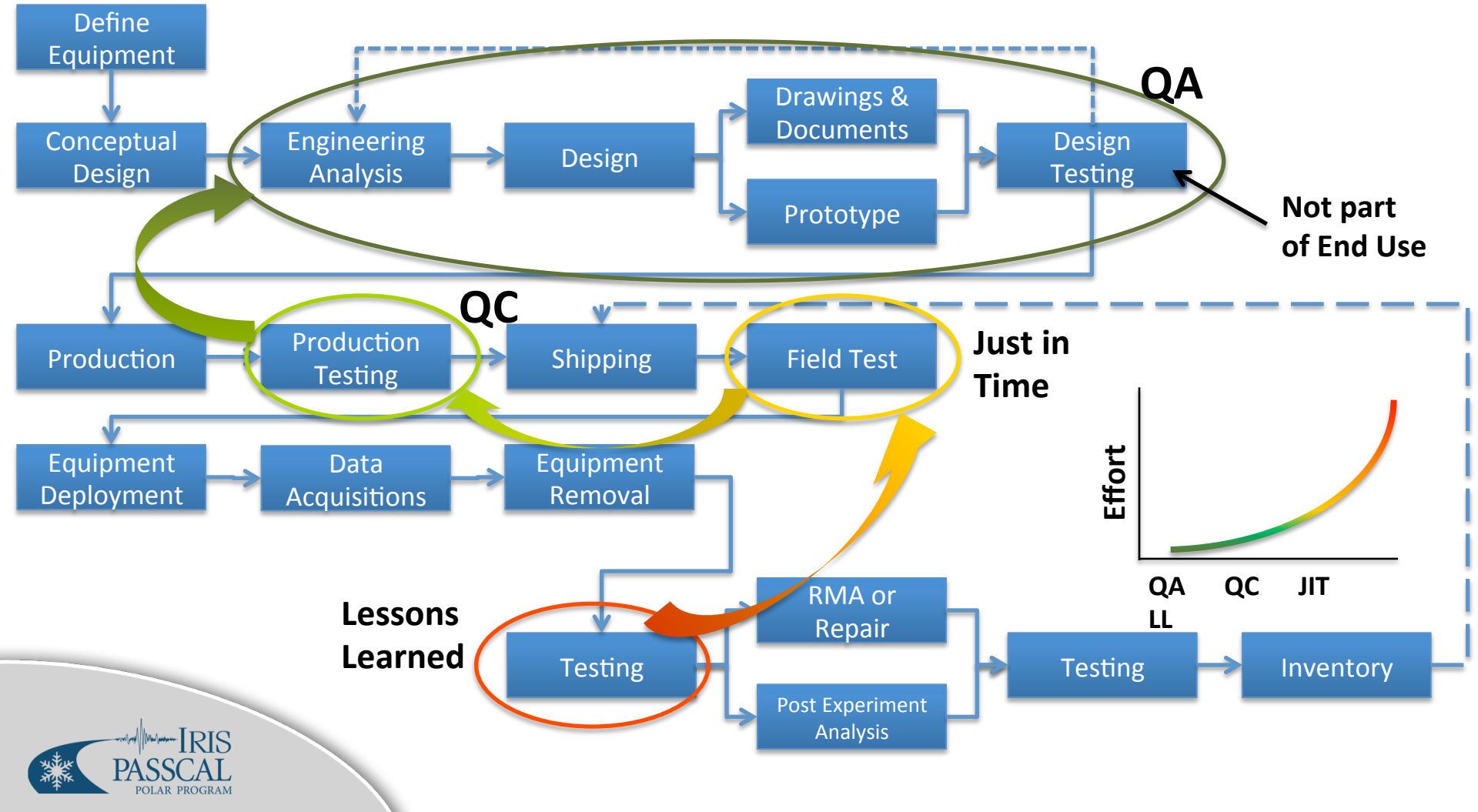
IRIS PASSCAL POLAR PROGRAM

Engineering Focus



IRIS PASSCAL POLAR PROGRAM

Shifting Emphasis

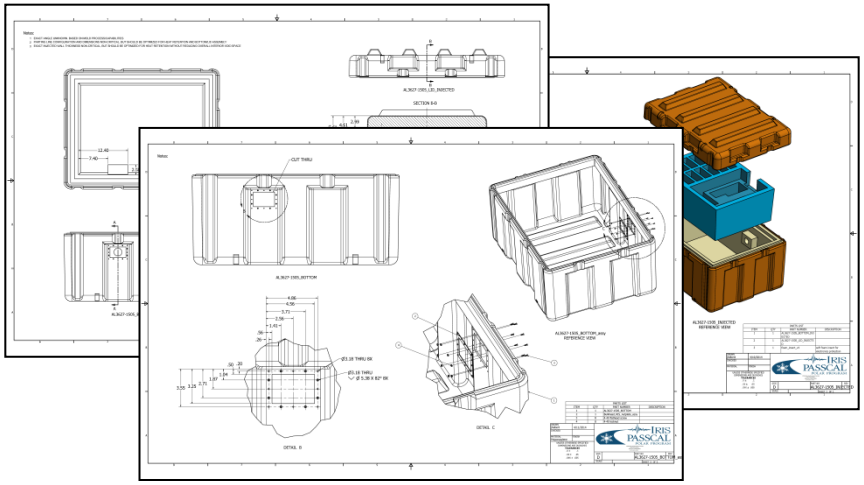


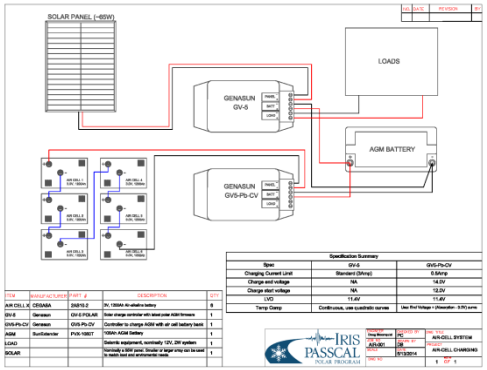
IRIS PASSCAL POLAR PROGRAM

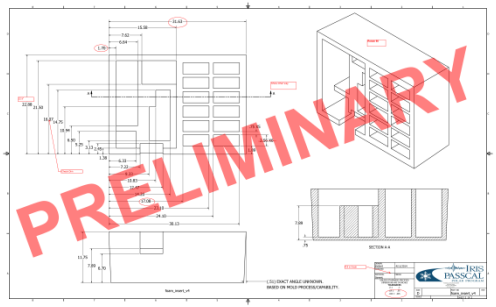
How Engineering = QA

Through design process

- Change tracking
- Quality drawings





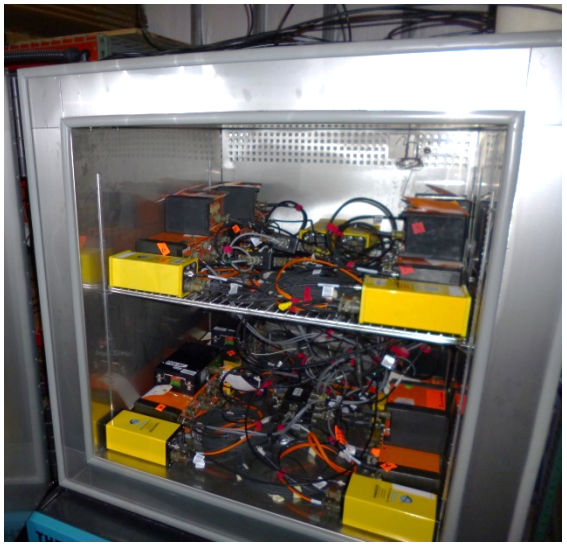


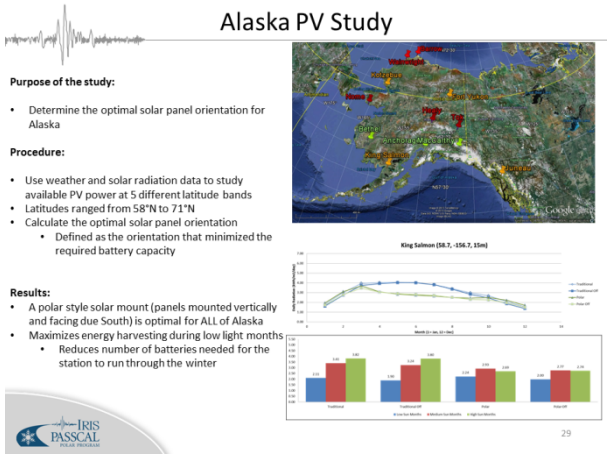
IRIS PASSCAL POLAR PROGRAM

How Engineering = QA Cont.

Through design process

- Analysis and calculations
- Testing and revision





Current Systems & Design Philosophy

- Current systems well built and designed
- High data return
- Further refinement
  - Easy to install or service