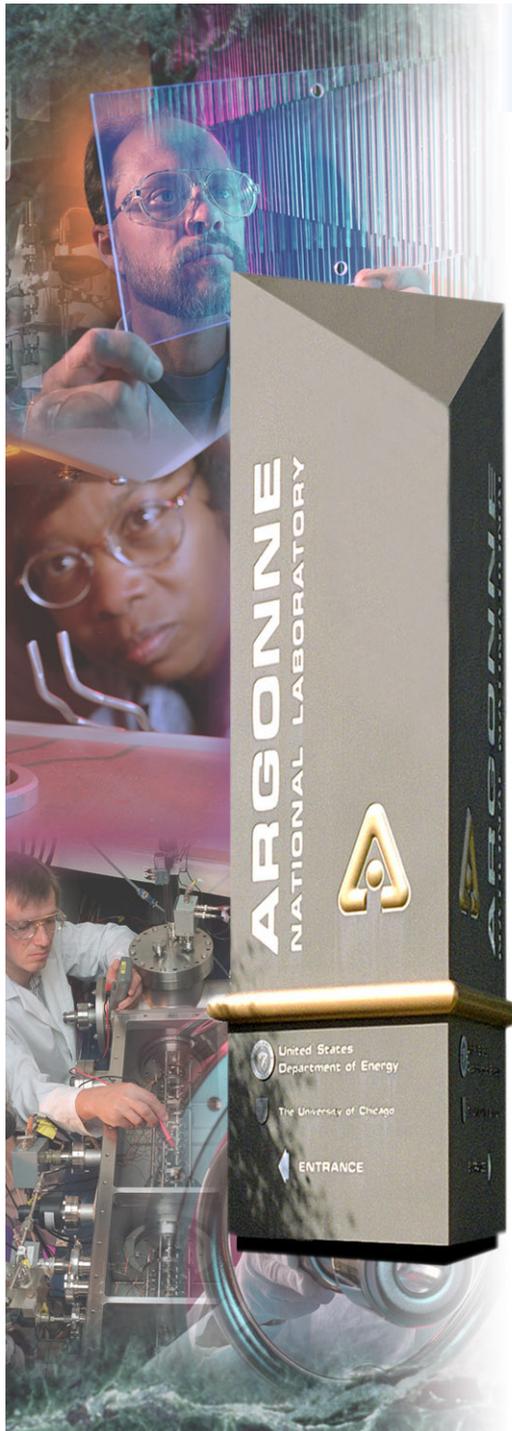


Proposal Number **406**

**Portable test system for PSS, FEEPS  
and BLEPS, was 194**

*Safety Interlocks Group*

*October 2005*



*Argonne National Laboratory is managed by  
The University of Chicago for the U.S. Department of Energy*

**Project: (ASD 406) Portable test system for PSS, FEEPS and BLEPS, was 194**

**Objective:** Provide a portable system to troubleshoot and test multiple platform plc based safety interlock systems.

**Background Information:**

- New Initiative
- Single Year Funding
- Medium priority

**Justification:**

This will provide state of the art tools for troubleshooting and testing plc based systems. This will improve our response time, which will result in increased availability.

**Consequence:**

Not completing this project will hinder our ability to respond in a timely manner.

**Requested Funds (FY06): \$44.80 K ( AIP )**

| <b>FY</b>              | <b>2006</b> | <b>2007</b> | <b>2008</b> | <b>Total</b> |
|------------------------|-------------|-------------|-------------|--------------|
| <b>Non effort</b>      | \$44.80 K   |             |             | \$44.80 K    |
| <b>Existing Effort</b> | \$48.90 K   |             |             | \$48.90 K    |
| <b>New Effort</b>      |             |             |             |              |
| <b>Total</b>           | \$93.70 K   |             |             | \$93.70 K    |

**Project: (ASD 406) Portable test system for PSS, FEEPS and BLEPS, was 194**

**Project Details:**

- Portable Cart to test PLC Based systems
- Universal Crash Cart would include:
  - Drawings
  - Hand tools
  - Meters
  - Computers
  - Event Recorder
  - Local Display (Panelview Plus)
  - Software licenses for all of the PLC based equipment
    - PLC5
    - Panelbuilder Plus
    - RSLogix 5000
    - GE State Logic
    - Automation Direct
    - Control Logix
    - RSView Studio
    - SLC 500
    - GE Ladder Logic