

## PINE BLUFF ARSENAL SMOKE MIXER

**CONTRACT NO:**

W911RP-10-C-0021  
KECI NO 10-3710

**JOB SITE LOCATION:**

Pine Bluff Arsenal  
Pine Bluff, Arkansas

**OWNER:**

Pine Bluff Arsenal Contracting Office  
10-020 Kabrich Circle Attn: CCRC-ISP  
Pine Bluff Arsenal 71602-9500  
*Contact:* Richard Maxwell  
**T** 870.540.3024

**GENERAL CONTRACTOR:**

Koontz Electric Company, Inc  
1223 E Broadway  
Morrilton, AR 72110  
*Project Manager:* Keith Foster  
**T** 501.354.2526 ext 113  
**F** 501.354.2580

**SUB CONTRACTORS:**

Brown Engineering  
17200 Chanel Parkway, Suite 300 PMB 324  
Little Rock, AR 72223  
*Contact:* Dee Brown **T** 501.448.0100

Advance Cabling  
4950 N Shore LN  
North Little Rock, AR 72118  
*Contact:* Martin Chilcote  
**T** 501.568.9599 **F** 501.568.6422

C&F Controls  
2901 Orchard Lake  
Jacksonville, AR 72076  
*Contact:* Chuck Covey **T** 501.658.1173

**AWARD DATE / COMPLETION DATE:**

August 2010 / April 2012

**CONTRACT AMOUNT:**

\$1,242,242

**SCOPE OF WORK:**

Koontz Electric was awarded a design / build contract based on a "best value" award. The project establishes the performance, design, fabrication, testing, installation, acceptance, and training for an upgrade of the control room and supporting equipment at building 32.620, 32-621, 32-622, and 32-625. The control room and supporting equipment will provide a totally integrated, cohesive, and centrally controlled system to consist of weighing, blending, material transferring, video, and numeric documentation. This system will automatically collect and record process data and monitor activities at critical production points within the fluidized bed process that produces smoke mix batches for the manufacture of the M8 Smoke Pot, the M90, M83, and M18 smoke grenades.

This includes the following features of work:

- Provide Engineering, drawings, and schematics for the systems listed below
- Class I Division II Closed Circuit Television System to include CCTV cameras, monitors, and recorders
- Uninterruptible Power Supply for the PLC system
- Class I Division II Intercom system to include telephone headsets, speakers, and call stations
- Construction of a new control console
- Ethernet Switches, and industrial computers for operator interface to the new control system
- Implementation of Rockwell Automation RSView32 control software
- Programmable Logic Controllers
- Annunciator Panel
- Alarms on emergency shower
- PVA temperature Alarms
- Dew Point Sensors
- Weight Scales
- Barcode Readers, scanners, and printers
- Touch Screen PLC control panels
- Grounding
- New lighting within the control room
- Demolition of the existing operator control systems
- Training of Pine Bluff Arsenal operators
- As-built drawings and Operation and Maintenance Manuals