



Composite Audit

**Customer:** GE Plastics

**Location:** Burkville, AL

**Scope of Work:** Armstrong International performed a composite audit of the utility services at the GE Plastics Facility in Burkville, Alabama. Maintenance monitoring audits shall be performed on a quarterly basis with a focus on energy conservation.

- Upgrade Projects:**
- Tracing
    - ◆ Plant wide steam tracing system design recommendations
    - ◆ Quarterly audits shall include monitoring tracer circuits and steam condensate manifolds with engineered P&ID updates
  - Insulation
    - ◆ Plantwide utility piping insulation
    - ◆ Quarterly inspections to maintain best in class
  - Steam Traps
    - ◆ Plantwide steam trap population
    - ◆ Quarterly inspections to maintain energy conservation efficiency
  - Compressed air and N2
    - ◆ Plantwide air and nitrogen systems
    - ◆ Quarterly inspections shall include maintenance monitoring of potential leaks
  - Cooling water survey and Delta-T-Optimization
    - ◆ Plantwide cooling water survey
    - ◆ Quarterly inspections of temperature indicators, pressure indicators and heat exchanger optimums (Delta-T) for energy conservation efficiency



**Terms:** Project began in May 2000.

- Benefits:**
- Substantial annual energy cost savings
  - Best in class utility maintenance monitoring database
  - Improved utility piping/insulation system efficiency
  - Reduction of unscheduled maintenance
  - Enhanced efficiency of GE maintenance personnel

