CUSTOMER: GE Plastics
LOCATION: Burkville, Alabama, USA

BACKGROUND: 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.

SCOPE OF WORK:
- Tracing
  - Plantwide 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

BENEFITS: GE Plastics recognized substantial annual energy cost savings by implementing best in class utility maintenance and relying on an intelligent monitoring database. GE Plastics also improved utility piping/insulation system efficiency and reduced the number of unscheduled maintenance. GE’s maintenance personnel’s efficiency has also been enhanced.