Universal Compressed Air

ENERGY STAR PARTNER

UCA | Project Case Study: Steel Mill

Delivering Compressed Air as a Service:

Universal Compressed Air (UCA) is contracted to provide an integrated steel mill with a state-of-the-art system designed to supply 100% oil-free dry compressed air as a service. The system will supply 50,000 SCFM @ 110 psig, -40°F pressure dew point (PDP) with the highest reliability and energy efficiency.

UCA System Scope:

- Modular Compressed Air Station
- Air Compressors
- Heat of Compression Dryers
- Cooling Circuit
- Transformers & Switchgear
- Operations & Maintenance

UCA Infrastructure Scope:

- 2850 ft: Medium-Volt Cabling
- 800 ft: 12” Water Piping & Hot Tap
- 600 ft: 12” Air Piping & Hot Tap
- 500 ft: Sewer Drain Piping
- 600 ft: Fire Alarm & Comm Cables






Key Benefits of UCA:

- No Capital Required
- Highest Reliability / Uptime
- Lowest Total Cost
- Lowest Power Consumption
- 24/7 Data Analysis & Monitoring
- 100% Oil-Free, Dry Air
- Guaranteed Performance
- Guaranteed Reliability
- Known Costs
- Carbon Reduction

UCA Does More...

UCA deploys the DBOOM Model (Design, Build, Own, Operate, Maintain) to provide solutions related to compressed air and other plant infrastructure systems listed below:

- Blowers
- Vacuum
- Cooling Systems
- Heat Recovery
- Electrical Substations
- Advanced Control Systems
- Flow Metering
- Distribution Piping

Project Overview:

100%
Guaranteed Uptime

18M+
Projected Cost Savings (>$18 Million Per Year)

110 psig / - 40°F PDP
Guaranteed Dew Point & Pressure

12,000 HP
Installed Horsepower

50,000 SCFM
High-Volume Oil-Free Air

Full Turnkey Ownership & Operations by UCA