

Brian Beebee

Controls/Maintenance Engineer - RG Steel

Glenside, PA - Email me on Indeed: [indeed.com/r/Brian-Beebee/9bffd3f37de755f3](https://www.indeed.com/r/Brian-Beebee/9bffd3f37de755f3)

Electrical engineer looking for an opportunity to provide technical expertise to a manufacturing facility using my experience and education.

WORK EXPERIENCE

Controls/Maintenance Engineer

RG Steel - April 2011 to Present

Responsibilities

- Addressing operational equipment concerns on tin plating line
- Assigning job tasks to electrical maintenance employees

Accomplishments

- Utilized test equipment to determine plating cell motor condition
- Determined root cause of premature generator brush failures
- Proactive maintenance with Infrared and vibration analysis
- Increased automatic thread time for entry feeder to eliminate weld issues
- Installed blowoff to eliminate welder whiskers to minimize dents

Electrical Systems Construction Coordinator

ThyssenKrupp Steel - April 2010 to April 2011

Responsibilities

- Managed electrical installation of steel mill process lines
- Insured Requests for Information (RFIs) answered in a timely fashion

Accomplishments

- Utilized design criteria for field changes
- Minimized cost of change orders when not part of the original scope
- Verified contractor maintains safety and housekeeping standards

Corporate Electrical Engineer

Macsteel Service Centers - September 2005 to April 2009

Responsibilities

- Managed Capital Projects and costs
- Consulted branch operations management and improving processes, equipment capabilities, and maintenance
- Audited Equipment Management System maintenance compliance with procedures

Accomplishments

- Helped write specifications saving over \$125,000 installing and commissioning new equipment
- Installed new controls saving over \$10,000 in contractor costs

Process Control/Maintenance Leader

U.S. Steel - Fairless Hills, PA - August 1997 to September 2005

Responsibilities: • Developed HMI screens in SCADA system and creating trends for process monitoring and analysis.

- Used motor and control knowledge for projects and troubleshooting. (As a group, reduced field service cost by half a million dollars)
- Analyzed process data from historical trends to determine equipment capacities and optimal process settings
- Increased process line yield approx 3% by modifying entry PLC auto-stop distance calculation.
- Achieved approximately 35% throughput increase of galvanneal product.
- Wrote work instructions for standardizing repetitive maintenance tasks and minimizing accident risk
- Implemented a method sending information from HMI displays to digital drives
- Assembled test stand of PLC, motor, digital drive, VME controller, and operator station.
- Commissioned parts of \$40 million dollar capital upgrade of hot-dip galvanizing line.
- Solved control issues and implemented improvements after start up.
- Retrofit digital drive on coating line trimmer knives to replace original analog motor controls saving \$5000.
- Modified Reliance Automax controls adding coating line plating currents to HMI displays.

Maintenance Supervisor

Worthington Steel - Malvern, PA - 1990 to August 1997

Responsibilities: • Supervised maintenance craft employees in a manufacturing facility

- Oversaw proactive maintenance with vibration, oil, and infrared analysis
- CAD design for mechanical equipment and spare parts.
- Redesigned pickle line feed table pivot bearings and exit shear hydraulics.
- Designed, purchased, and installed centralized lubrication system
- Installed automatic condensate drains on pneumatic lines
- Purchased and trained employees in the use of tubing assembly fabrication equipment and double reverse dial indicator for precise shaft alignment.
- Prevented OSHA fines by rectifying compliance issues from safety inspection.

OTHER: Inveterate tinkerer, "Professional" welder and furniture builder, Dale Carnegie graduate, Visual Basic class, Seven Principles of Highly Effective People, Inter-Active Management, Hoist and Crane Safety Training, Confined Space Entrant Monitor.

EDUCATION

MBA Saint Joseph's University - Philadelphia, PA
January 2001

BS in EDUCATION

Electrical Engineering Villanova University - Villanova, PA
May 1989