



Engineering-Driven Electrical & Automation Solutions that Eliminate Root Causes, Maximum Uptime, and Deliver Measurable ROI

Company Overview

Bremer Electric & Automation delivers precision troubleshooting and root cause analysis to streamline operations, prevent downtime, and future-proof systems. Led by DSPS Certified Master Electrician David Bremer, we combine engineering foresight and lean manufacturing principles to diagnose bottlenecks, design targeted improvements, and implement solutions that address root causes—not just symptoms. Our approach spans new upgrades and existing inefficiencies, ensuring outcomes are scalable, repeatable, and aligned to your goals.

Core Competencies

- Precision Troubleshooting & Root Cause Analysis** – Engineering driven diagnostics with lean efficiency, faults resolved <3 hrs.; savings up to \$175K weekly
- Automation & Controls Integration** – PLC/HMI/SCADA support with engineered retrofit planning; changeovers cut from 6 hrs. to <1 hr.; ROI ~1,900%
- Electrical & Fluid Power Controls** – Integrated electrical & pneumatic/hydraulic systems designed for reliability and safety
- Code-Compliant Installations** – NEC/OSHA/UL standards applied supporting modernization, scalability, clean documentation
- Preventative & Predictive Maintenance** – Reliability planning informed by engineering analytics and lean practices; extend equipment life cycles by 20-30%

Industries Served

- Food & Beverage
- Packaging & Printing
- Fabrication & OEM
- Warehousing & Distribution
- Process Manufacturing

Value Proposition

We don't just install equipment. We understand your operation's purpose, constraints, and bottlenecks, then engineer outcomes that:

- Cut costs and reduce downtime
- Eliminate root causes (not make temporary fixes)
- Extend system life and improve safety
- Deliver measurable ROI with solutions that are scalable and repeatable across lines and plants



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How We Engage

- **Assess & Diagnose** – Define system purpose, constraints, and failure modes
- **Design & Recommend** – Engineer changes to equipment, controls, or maintenance programs that eliminate root causes
- **Implement & Integrate** – Right-size installs or retrofits; integrate electrical, controls, and fluid power
- **Validate & Document** – Confirm outcomes, quantify ROI, and provide clear documentation
- **Sustain & Improve** – Preventative/predictive maintenance plans and crew training for long-term reliability

Case Study Highlight: Full Scope Automation Project Reliability

- **Challenge:** \$5M automation upgrade with \$3,000/hr. downtime risk required reliable power, communications, pneumatics, and safe working conditions
- **Root Cause:** Electrical undersized, no Ethernet, missing pneumatics, poor lighting/receptacles
- **Solution:** Installed oversized 100A panel, ran Cat 6 Ethernet, installed pneumatic oiler, added lighting/receptacles
- **Outcome:** Zero downtime, future proofed infrastructure, improved safety. Proven repeatable across 3 identical systems
- **ROI:** **\$1,008,000 downtime avoided, \$25-\$40K redesign costs avoided, 2,090% ROI, <2 day payback**

Full automation scope <1% investment ensured reliable \$5M project launch

Complimentary Facility Walkthrough

Every new client receives a diagnostic-driven walkthrough that:

- Assesses automation, electrical infrastructure, and maintenance practices
- Identifies inefficiencies, compliance risks, and integration gaps
- Provides actionable recommendations to streamline operations and extend system life

Client Testimonial

"David swiftly identifies and resolves challenges, reducing costs and stress for all stakeholders."

-Ryan, Flexowash OEM Installer



Schedule your complimentary industrial walkthrough today.