



AUTOMATION & CONSULTING

Let Us Help You Succeed

Mechanical Services

Part Design

- Custom Sheet Metal Enclosures and Brackets
- Custom Machined Steel, Plastic and Ceramics

Prototypes

- Machined, Formed or 3D Printed for Quick Turnaround

Drawing Creation

- 3D Models Used to Create Manufacturing Drawings
- Geometric Dimensioning and Tolerancing (GD&T)
- Traditional Tolerance Analysis
- Material and Plating Selection

Structural Analysis

- Calculating Parameters in a Geometry Under Specified Loading (Stress, Deflection, etc.)
- Seismic Analysis
- Fastener Stress Calculations

Software/Programming

- Writing Code to Implement Complex Algorithms
- PLC Programming (Allen Bradley, Siemens, Modicon, Ovation, ABB)
- HMI Design (Allen Bradley and Siemens)

Electrical Services

PCB Design

- Laying Out PCBs
- Creating PCB Schematics and Gerber files
- Specifying Connectors and Dimensions to Interface with Custom Enclosures

I&C, Electrical Panel and Electromechanical Design

- Instrument and Component Specification
- Wiring and Installation Instructions
- Component MTBF
- System Reliability Analysis
- Loop and Functional Logic Drawings

Circuit Analysis

Power Transmission

Independent Verification and Validation

- Test Documentation
- Design Reviews
- Code Reviews

Drafting

- Creating/Updating Drawings and Title Blocks

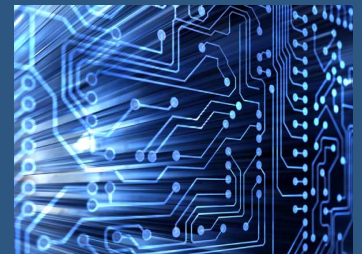
Financial Analysis

- Project Estimation
- ROI \$\$

Expert Technical Consulting

Please Direct Inquiries to:

Sales@BaleConsultants.com



**Ask About Our
Discounted Rates for
New Customers!**

For More Information,

Visit Our Website:

www.BaleConsultants.com

Resumes Available Upon Request