

## **Michael R. Hampson, MCSE**

President, Senior Project Manager



### ■ **KEY PROJECT RESPONSIBILITIES**

- Responsibilities include project team engineer, technical duties include software programming, configuration and implementation. Development of detailed system design, including electrical specification and design, and panel layout. PLC, AC and DC Drives, and Servo control experience. Specific experience in process lines (metals, textiles), plastic extrusion, and discrete manufacturing.

### ■ **PROFESSIONAL EXPERIENCE**

- **President, XL Automation, Inc., Marietta, GA**  
Experience in all phases of business management and ownership, in addition to existing engineering and project management responsibilities below.
- **Project Manager, Real Enterprise Solutions, Kennesaw, GA**  
Design, fabricate, program, and install SCADA and automation systems for various industries. Responsibilities include sales, project estimation, BOM creation, panel design, electrical design, PLC/HMI programming, testing, and installation of systems.
- **Electrical Engineer, Atlantic Steel Industries, Inc., Atlanta, GA**  
Responsible for control system design, PLC/PC programming, drive systems design, communications systems design, network design, and support, ROI calculations, supervision, installation, troubleshooting and maintenance.
- **Electrical Engineer, Product Service, GE Drive Systems, Inc., Salem, VA**  
Provide technical support to customers and field service engineers, including onsite drive systems troubleshooting, repair and startup, and working closely with development team and factory to prevent potential problems with equipment.

### ■ **EDUCATIONAL BACKGROUND**

- **Bachelor of Electrical Engineering** - Georgia Institute of Technology, Atlanta
- **Certificate in Computer Engineering** - Georgia Institute of Technology, Atlanta
- Licensed Electrician, Class I, License #ER101540
- Microsoft Certified Systems Engineer (MCSE), October 1998

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### ■ **RECENT PROJECT EXPERIENCE**

- Multi-axis coordinated motion control system for coating line
- High-speed motion control system for labeling application (10 labels/second)
- Sequencing / Phase control for chemical batching operation
- Coordinated AC drive system for textile industry
- High horsepower (4000HP) drive system for steel rolling application
- Custom Visual Basic 6.0 HMI application with ADO/ODBC database interaction, PLC communications, and advanced trending
- Design and integration of Microsoft networking infrastructure

### ■ **PROGRAMMING LANGUAGE CAPABILITIES**

- Allen-Bradley PLC-5: RSLOGIX 5 , 6200, Frameworks
- Allen-Bradley SLC500/Micrologix: RSLOGIX 500 and APS
- Allen-Bradley ControlLogix: RSLOGIX 5000
- Allen-Bradley PanelBuilder, Motion Control (SMC, 1394, 2098, GML)
- Allen-Bradley Drive Systems (1336, PowerFlex, 160)
- Communications: Data Highway +, DeviceNet, Ethernet, RS232, DH485
- Cutler-Hammer IDT PanelMate, A-B PanelBuilder32, PanelView Plus
- Microsoft: Visual Basic 4.0 to 6.0, Access, SQL Server 7.x
- Siemens Simatic S7 PLC, Step 7 Programming Software
- PC ControlSteeplechase v4.2
- HMI: FactoryLink ECS 6.x  
Wonderware 7.x  
Intellution iFix  
Rockwell RSVIEW32

### ■ **OTHER CAPABILITIES**

- Microsoft-based Network Engineering and Administration
- AC and DC Variable Frequency Drives
- Panel Design and Layout
- AutoCAD