

Erik Luxhoj

Objective

Perform high quality engineering consulting work that contributes to the success and profitability of my clients.

Related Experience

Electrical Engineer

Can Lines Engineering (2006 – present)

- Labatt Brewing Company
 - Developed a Panelview Plus 1000 HMI application for one bottling line (used RSView Studio ME v4, 29 screens, parameter files, message displays, alarms). The application included 29 screens, parameter files, message displays, alarms). The application included detailed overview screens, a very detailed DeviceNet screen showing all the drives on the network along with the Control Logix cards in the Control Logix rack.
- Amy's Kitchen (White City, OR)
 - Developed a Panelview Plus HMI application for one soup line (used RSView Studio ME v4, 12 screens, parameter files, multiple users, password protection for screens).
- B Braun Medical (Irvine, CA)
 - Developed a Panelview Plus HMI application (used RSView Studio ME v4, averaged 10 screens, parameter files, multiple users, password protected screens) and wrote PLC code for fault detection, motor control (speed reference with PowerFlex40 drives) (RSLogix 5000 v15) for two machines.
- *MILLER Brewing, Co. (Albany, GA.)*
 - Modified five InTouch 9.5 HMI screens for a machine upgrade.
- *COORS Brewing, Co. (Shenandoah Plant, VA.)*
 - Developed ControlLogix code and an HMI screen for a conveyor sterilization process (1 screen, 1 routine).
- *DOLE Fresh Vegetables (Monetary, CA.)*
 - Designed panel layout for two drive panels and modifications for a PLC panel, wrote install guides for the panels, created two Panelview Plus applications using RSView Studio ME (3 screens, offline tag browsing, multiple user logins with different security levels, used RSLogix Emulate 5000 v15 to test the application)
- *Coca Cola Co. (LA. Central)*
 - Developed two Panelview Plus applications using RSView Studio ME (9 screens, offline tag browsing, parameter files, multiple user logins

with different security levels, used RSLogix Emulate 5000 to test the application)

- *Coca Cola Co. (Mt. Shasta)*
 - Supported start up for two new cap feed modules on the two Mt. Shasta bottling lines.
- *Can Lines Engineering*
 - Developed a program to test new conveyor pop-up divert system (setup photoeyes, created program in RSLogix5000 to cycle divert section and record and average up and down response times of the conveyor)
- *COORS Brewing Co. (Shenandoah Plant, VA.)*
 - Modified a Wonderware InTouch 7.1 application (used Virtual PC 2004 to do development, modified and updated existing app, on site support)
- *COORS Brewing Co. (Shenandoah Plant, VA.)*
 - Developed a Wonderware InTouch 9.0 application (multiple clients with tag server setup, 81 screens, 5000 + tags, condition and data change scripts, on site support)
- *Dryers Ice Cream*
 - Developed a Panelview Plus application using RSView Studio ME (12 screens, multiple user logins with different security levels, parameter files, global connections for remote screen pop-up)

Kimberly-Clark Corporation (1995 – 2005)

- *Electrical Design Engineer (2005)*
 - Design and modification of Reliance Automax software to properly interface with new registration system
 - Design of packaging safety circuit to interface with main machine safety system
- *Electrical Operations/Project Engineer (1998-2004)*
 - Enterprise Server support (troubleshooting server lockups, server updates, interface to Wonderware InTouch 8.0b based clients, data flow)
 - Wonderware Development and Maintenance (troubleshooting InTouch 7.11 client and server apps – 100 + screens/20000 + tags, adding new features, installing and checking out application updates)
 - Reliance Automax Support (modifying software and hardware for equipment upgrades, troubleshooting machine issues, training electricians to use new equipment)
 - PLC Support (RSLogix5000, RSLogix5, RSLogix500, PLC3, adding I/O to the PLC, troubleshooting machine issues, modifying PLC code to improve machine performance)
 - AC Drive Support (Reliance Automax SA500/SA3000 drives, A-B 1398/bulletin 160 and 1394 drives, troubleshooting issues, tuning)

- Vision System Support (Cognex InSight and Checkpoint vision systems, troubleshooting issues, system calibration and maintenance)
- Safety Systems (design of Guardmaster based safety interlock system for two machines, troubleshooting issues, updating/modifying system for machine configuration changes)
- *Electrical Design Engineer (1995-1998)*
 - AC Drive System Design for One Machine (Allen-Bradley 1398 drives, checkout, startup and tuning)
 - Worldwide Checkout and Startup Support (Tlaxcala, Mexico, Taejon, Korea, key systems: Reliance Automax AC drives, Wonderware InTouch HMI software, RSLogix 5/500 PLC software)

Education

Texas A&M University, College Station, TX 1992 - 1994
 Completed course work for Master of Science in ***Electrical Engineering***
Baylor University, Waco, TX December 1991
 Bachelor of Science Degree in ***Electrical Engineering***
 Minor – Mathematics

Other Accomplishments, Activities, and Interests

- Created and maintain a website for a nonprofit (www.alagille.org).
- Maintain a VPN/Web server for a nonprofit.
- Started and own my own company (Luxhoj Consulting LLC).
- Host four websites: www.townleroy.com, www.villageoftheresa.com, www.childschoicelarningcenter.com, www.gerrittsplumbing.com.
- Enjoy spending time with my family and friends, computers, movies, reading, cooking, wood working and languages.