

Saúl Galicia Ochoa

Plc Programmer



December 2016 - Present

- **Cims, Ramos Arizpe, Coahuila:** Commissioning, dry cycle and automatic modes. Working with Rslogix Studio 5000, Tia Portal V10 and PLC Standard and safety. 5 robots combo, (MH and Spot Weld), trunnion and pass tables. Configuration of Cognex cameras that inspected Seal and Adhesive cords. Configuration of Technifor markers with ASC Code and Tracking mode from PLC. HMI design to 6 HMIS, alarms, messages, indicators, etc.
- **Tenneco, Puebla:** Programming inspection machine. Using Plc Siemens S7 300, conveyor and a vision system from Keyence. Programming Offline, commissioning and automatic mode.
- **Gestamp, San Luis Potosí:** Working with plc Allen Bradley, mapping ABB robots, working with turn tables, trunnion, material handling, spot weld and mig robots. The project had 12 robots, 3 turn tables and 2 trunnions; all of these elements working together to assembly a rear rail. Hmi design with factory talk view and working with spreadsheets step by step connection with plc, configuration of teledyne cameras to check seal cord.
- **FFT de Mexico, Puebla:** Modify electrical designs using Eplan P8 and development offline plc with Allen Bradley RsLogix 5000. HMI design with Factory Talk View, uploading and downloading programs to almost 15 hmis. Configuration of balluf BK, configuration of Switches Armor-Stratix 5700-Allen Bradley. Working with 3 welding cells with 13 robots Mig and Spot Weld fanuc and hardware configuration of Standard and safety Modules in Allen Bradley RsLogix 5000.
- **Serra, Puebla:** Plc Allen Bradley working with RsLogix Studio 5000 and factory Talk View to hmi design. Hardware and software configuration of Servo Motors, and hardware configuration of pneumatic Clamps, shot pins, slides and pac clamps modify sequence and adding new logic to plc work and home positions with it respective security in plc logic and hardware using ligh curtains, roll up doors and emergency stops.
- **Autotek, Morelos** Modify hardware on Plc Allen Bradley RsLogix 5000 with a new MIG Robot in a welding cell. New development on plc in the program structure. Configuration of hardware and software of Roll up Door Armor Start, adjusting Light curtain Sick on plc and configuring hardware.
- **WenLock, Tlaxcala:** Working with Allen Bradley 500 in a cut machine migration panel view 700 key pad-touch to panel view 1200 touch. Modify and adjust all buttons and indicators. Add point I/O to plc hardware and software.
- **FFT de Mexico, Puebla:** Support with one welding cell. Configuration of Manifolds SMC, BK ballufs and running on robot services online hardware and software with Plc Allen Bradley RsLogix 5000, the services approved were; tip dress, cap change, (Spot weld robots) and clean with reamer (Mig robots).
- **HBPO, Puebla:** Hardware connections and assembling work station with designs made by Catia and Eplan. Using a Plc Siemens s7-1200 with one E/S module which was programmed with TIA PORTAL V14.

Using Cognex camera to check the status on the table where the pumps was collocated. HMI development with tia portal as an interface which indicate the status of camps, camera, positions and deliver of the piece. This station was designed to assembling water pumps to Audi De Mexico, With a camera Cognex as a visual sensor.

- **Cancun's International Airport, Quintana Roo:** Hardware Connections of conveyors and all the Ethernet communication and electric power to the control panels as well as running on the conveyors and check the functions.
- **Chrysler Toluca, Mexico:** Electrical Designs to migrate 3 panel controls with a new electrical components using Eplan P8.
- **Autotek, Saltillo:** Modify Offline Plc Allen Bradley RsLogix 5000 migration from other plc and using Factory Talk View to modify hmi to the same project.

March 2015-Aug-2015 company

- **Universal Scientific de Mexico, Jalisco:** Maintenance to vacuum pump, model changes in smt machines, change of machine blades, Nozzle changes in vacuum machines.

Knowledge:

- **SIEMENS TIA PORTAL V13-15:** Intermediate level
- **SIEMENS STEP 7 :** Intermediate level
- **CX-ONE (OMRON) :** Basic level
- **RSLOGIX 500 :** Intermediate level
- **RSLOGIX/STUDIO 5000 :** Intermediate - Advanced level
- **FACTORY TALK VIEW V8-10:** Advanced level

Education

- Bachelor of Engineering Mechatronic Degree from Universidad Tecnologica de Tecamachalco (2015-2017)
- Bachelor of Mechatronic Automation Area degree from Universidad Tecnologica de Tecamachalco (2013-2015)

Additional Information

- I have Passport
- Travel availability
- Proactive