

José Manuel Domínguez Martínez

Electronic Engineer



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SKILLS

- ✓ Proactive
- ✓ Teamwork
- ✓ Fast Learning
- ✓ Troubleshooting
- ✓ Work under pressure
- ✓ Easy Adaptation
- ✓ Planning

SOFTWARE

- ✓ TIA Portal Siemens
- ✓ Studio 5000
- ✓ MySQL Workbench
- ✓ ERP
- ✓ Ignition Gateway
- ✓ VMware | Virtual Box
- ✓ C / C++
- ✓ SolidWorks
- ✓ AutoCAD
- ✓ FexiSign Pro 10 Design

Professional Goal

I am a multifield engineer with the best attitude for taking new challenges and develop myself on new fields to apply and demonstrate my skills by contributing to continuous improvement.



ACADEMIC HISTORY

Electronic Engineering [Bachelor's Degree]

Universidad Autónoma Metropolitana [UAM - Azcapotzalco]

2012 – 2018

Digital Systems Technician

Centro de Estudios Científicos y Tecnológicos No. 9 CECyT 9 [IPN]

"Juan de Dios Bátiz Paredes"

2009 – 2012



PROFESSIONAL EXPERIENCE

MECALUX MEXICO

June 2020 - Currently | Control Engineer

- Revision, implementation, comissioning and testing machines for an automatic warehouse system for catalyst storage. They controlled by Siemens PLC's and SCADA Mecalux system at NGK Ceramics, Monterrey.
- Developing, implementation, comissioning and testing of pallet storage and maintenance automatic system controlled for Allen Bradley and Siemens PLC's for General Motors, Saltillo.

MEXICANA DE INGENIERIA EBHO


October 2018 - 2020 | Engineering Department

- Implementation of the Modbus RTU communication between gas and steam turbines at CCC CFE Samalayuca II, Chihuahua.
- Review of DCS infi90 ABB control loops, through WinTools Engineering Station.
- Responsible for developing of logic, configuration, testing and commissioning of PLC S7-1200 and HMI migration Festo Siemens of packaging pneumatic machine, "La Florida", Edo. de Mex.
- Management, coordination and logistics of an assembly solvent treatment system OFRU ASC-1500, Pochteca, León Guanajuato.
- Communication protocols management as Modbus RTU, Profinet, Ethernet IP, Profibus.

UPLOADS

- GCCH-1 Certification
- GCCS-2 Certification
- Neumática FESTO
- Taller de aplicaciones con PLC's
- Taller de Sistemas HMI
- Curso básico SolidWorks
- WEG Motores de AC

LANGUAGES

 English ●●●○

 German ●○○○○

VISA/Passport

Visa: B1/B2

Passport: Valid 2029

- Sizing and selection of measurement instruments for the main industry variables (Temperature, level, pressure, caudal, and density).

OTHER KNOWLEDGE

- Frequency inverters and Soft Startes configuration PowerFlex Rockwell, CFW WEG, ASC ABB.
- OPC UA Matrikon for interconnection with Rockwell controllers.
- Introduction to the ISA 5.1 and ISA 5.4 norm.
- Knowledge of the NOM-001-SEDE-2012 electric installations.
- Interpretation of electric and control diagrams.
- Basic and detailed conceptual engineering.



PUBLISHED ARTICLE

- Co-Autor del artículo “*Simulación y control del proceso de maceración de una cervecería artesanal*” de Pistas Educativas, Vol. 39, Núm. 128 (2018).