ISABEL RODRIGUEZ PAGAN, PE

Electrical Engineer with 23 years of experience with experience in Project Management, Electrical Design, Automation, Commissioning, Qualification, Validation, GMP Regulatory Compliance, IT Quality, Business Development and Operations Management. Experience with facilities under Consent Decree.

OBJECTIVE
An accomplished and licensed Electrical Engineer with a strong background in designing, testing, and implementing electrical systems. Over 20 years of experience ranging in diverse positions in the industrial, pharmaceutical, and commercial industries. Extensive experience in Project Management, Electrical Design, Automation, Commissioning, Qualification, Validation, Regulatory Compliance, Quality, Data Integrity, Business Development and Operations Management.

RELEVANT WORK EXPERIENCE

Jan 2024- present
Regulatory Compliance Services (RECOMS)
Engineering Project Manager

Review and evaluate engineering proposals and technical submissions by applying electrical engineering expertise to assess feasibility, efficiency, and compliance with industry standards, regulations, and project specifications.
Conduct in-depth analysis of proposed solutions, identifying potential risks and recommending mitigation strategies to support project success and safety.
Support procurement efforts for LUMA and Genera PR projects by preparing key documentation such as scopes of work, user requirements, cost estimates, and schedules.
Play an active role in project meetings, offering technical input and coordination. Led efforts in developing Independent Cost Estimates (ICE), performing cost comparisons, conducting feasibility assessments, and analyzing interconnection strategies and fuel logistics.
Collaborate with legal and financial teams to ensure alignment with regulatory and funding requirements, contributing to transparent, technically sound evaluations for energy infrastructure procurements.

Jan 2010 – Present
IRP Consulting/Veritas Solutions, President
Sr Electrical Engineer/Project Manager

Lead a team of engineers in the design, development, and testing of advanced electrical systems for commercial and industrial applications.
Utilize CAD software to create detailed schematics, layouts, and models for various electrical components and systems.
Conduct thorough analysis and testing to ensure compliance with industry standards and optimal performance.
Manage project timelines and budgets, ensuring timely delivery and cost-effective solutions.
Regularly communicate project updates and findings to stakeholders and executives.
Commissioning and Qualification following GMP, GAMP, ISPE, ASTM, NEC, IEEE, etc. industry regulations and practices.
Construction Permit submittals
Prepare documentation such as scope of work, user requirements, estimates, schedules, and proposals.
Designed electrical systems for commercial and industrial buildings, including power distribution, lighting, telecommunication, and control systems.
Conducted feasibility studies and performed calculations to determine project

Regulatory Compliance Services, Corp

Education:

University of Puerto Rico
- Bachelor of Science in Electrical Engineering

Harvard University
- Master of Extension Studies in General Management

Harvard University
- Graduate Certificate in Strategic Management

Relevant Skills:

- Proficient in utilizing industry-standard CAD for complex electrical designs and simulations.
- Extensive knowledge of power distribution, control and instrumentation systems
- Strong understanding of industry-specific codes and standards such as NEC and IEEE regulations.
- Experience in designing and implementing electrical schematics.
- Skilled in performing comprehensive testing and analysis to ensure system reliability and performance.
- Proven ability to manage and lead cross-functional teams in complex engineering projects.
- Excellent communication skills to effectively convey complex technical information to both technical and non-technical stakeholders

requirements and constraints.
Prepared technical specifications, drawings, and documentation for electrical engineering projects.
Collaborated with architects, contractors, and other stakeholders to ensure the successful implementation of electrical designs.
Participated in project meetings, providing technical expertise and support as needed.

Selected projects:

Electrical Engineering Design:

Parque Pelota Canovanas, PR
Various Basketball Courts Canovanas, PR
Emergency Generator for Edificio Multiuso Canovanas, PR
CDT San Lorenzo, PR
Emergency management building Canovanas, PR
Laboratorio Clinico Bayamon, PR

Project Management:
Building 79 Sanofi Swiftwater, PA
Cleaning Initiative Project Genzyme Boston, MA
Fire Remediation Project KV Pharmaceuticals St Lois, MO
Covid vaccine PCS update for Sanofi Framingham, MA
Covid vaccine PCS update for Moderna various sites

GMP Regulatory Compliance:
ISO9001:2015 Certification yearly Audit Skellig Automation Boston, MA
Quality Management System development Skellig Automation Boston, MA
Data Integrity Audit, Repligen Waltham, MA

Automation/Validation:
System Administrator DeltaV system, VMWare, OSI PI
Automation Engineer Eli Lilly Carolina/Guayama, PR; Merck Barceloneta, PR
Computer System Validation Lead various projects at Sanofi Boston, MA; Moderna Boston, MA; Baxter Los Angeles, CA
Computer System Validation Genentech Oceanside, CA

QUALIFICATIONS / CERTIFICATIONS
Professional Engineer, Puerto Rico License #21705
Member of International Society of Pharmaceutical Engineers