**Cesar Luis Rodriguez, B.S.E.E., P.E., M.E.C**

**Local to Sunrise, FL, 33322 (Open to remote roles)**

**Summary**

* Electric Power Generation, Transmission & Primary/Secondary
* Distribution Design/Engineering/Construction
* Gas/Steam/Diesel Generators/Turbines/Renewable ~ LV/MV/HV Electric Power Systems (PG/T&D) ~ AC/DC Motors
* VFD’s ~ UPS/PLC/SCADA/HMI/DCS/RTU/EMS ~ Wiring/Schematics/Diagrams ~ Specs ~ Construction
* Plans/Contract/Budget Admin. ~ Preventive Maintenance/Planning/O&M/CMMS ~ Personnel Management ~ Leadership
* Power Plant/T&D/Renewable ~ Safety-Oriented ~ Problem Solving ~ Hardworking ~ Loyal ~ QA/QC ~ Instructor ~
* Job/Project Planning/Estimating/Scheduling ~ Protection/Automation/T&D Planning/Modeling/Simulation/ Control/Relaying
* Commissioning/Testing/Start Ups ~ Bi-Lingual ~ Project Design/Build/Eng./Management
* CADD/FEED/CAE/EPC/CPM

**Education**

* Degree of the Bachelor of Science in Electrical Engineering, CULV, "Martha Abreu", Sta Clara, Villa Clara, Cuba, 1992.
* Engineer Intern Certificate (FE/EIT) issuedbytheFloridaBoardofProfessionalEngineers(FBPE),Tallahassee,FL,USA, 1998.
* Professional Engineer Certificate/License (PE#56759) issued by the Florida Board Professional Engineers (FBPE), Tallahassee, FL, USA, 2000.
* Certified Unlimited Master Electrical Contractor (CUMEC#EC13003982) Certificate/License issued by the Florida
* Department of Business and Professional Regulation (DBPR) &the Electrical Contracting Licensing Board (ECLB), Orlando, FL, USA, 2008.
* Certified Standard Electrical Inspector (Commercial/Industrial/Residential) (CSEI #BN6230) &Certified Standard
* Electrical Plans Examiner (CSEPE#PX3215) issued by the Florida Dept. of Business and Professional Regulation(DBPR) & the Building Code Administrators & Inspectors Board (BCA&IB), Orlando, FL, USA, 2009.

**Skills**

* Design/Build EPCM/Project Engineering/Field Application Eng./Consulting/Forensics.
* Business Administration & Site Design/Build/Construction Engineering/Management/Admin.
* CADD/BMS/CATIA/SOLIDWORKS/PLS-CAD/POLE/TOWER/SAG10/CASSION/MATH/LABVIEW/SKETCH-UP).
* Electric Power Systems Simulation/Modeling/Power Flow/Load Forecasting/Energy Economic Modeling/T&D
* Planning/Design/Engineering/Construction/EPC/Testing/CxEM/O&M
* (CYME/SYNERGY/EDSA/IPSA/PSS-E/PSLF/CDESG/EASYPOWER/DIGSILENT/MILSOFT/POWERWORLD/NEPLAN/GIS)
* Protection/Automation/Control/Telemetry/State Estimation/Contingency Planning/Harmonics & Noise
* Suppression/Power Factor Correction/Telecontrol/Telecomm./Relaying/Testing/Commissioning.
* (ASPEN/CAPE/SKM/ETAP/EP/DOBLE/MANTA/OMICRON/MEGGER/RTS/AcSELerator/MULTILIN).
* PLC/SCADA/HMI/DCS/EMS/RTU’s.
* Bi-lingual (English-Spanish)

**Experience**

**RAEI/RE-Co./SE/IC Miami/FL  06/2000 – Present**

**DB/EE/PE/** **Substation Engineer/CxEM-SBA/P&CEO**

* Design/Build/CADD/FEED/CAE/EPC, Commissioning (Cx), Retro-Commissioning (RCx), Testing&Start-Ups of
* Power Generation Plants, Electric Power UtilityCo. Transmission (T), Sub-Transmission (ST), Primary Power

Distribution (PD) Networks & Sub-Stations Planning, Modeling, Simulation,State Estimation,O&M,Contingency

* Planning &Management, as well as Secondary Power Distribution (SPD), Lighting, Lightning, Grounding, Fire/Security/Intrusion Alarm, CCTV, Radio, Microwave, Fiber Optic, Power Line Carrier, Internet, Satellite,
* Telephone,Wireless (TDMA, CDMA, GSM),TelegraphNetworks forTelecommunication, Industrial,Commercial, Institutional/Educational/UniversityCampuses,Correctional,HealthCare,Residential,Military,Local&FederalGov.
* Buildings, Facilities/Sites. Business&Contract/Sub-ContractAdministration, SiteProjectManagement (QA/QC), Facility Inspection and Forensic/Fire Engineering Consulting/Investigation.

**PPP, Inc. - CAT Miami/FL  ` 04/1998 – 05/2000**

**EPG-Field Service Tech.**

* FieldApplicationDesign,Engineering,Service,Operations/Maintenance.CATandcompetitorspowergenerationplants (generators & turbines), switchgears/transfer switches procurement, manufacturing, customizing, connection, reconnection, installation, commissioning, retro-commissioning, troubleshooting,maintenance, repair, testing and SET-UP programming (EMCP II+).
* Parallel operationWoodward (2301 A) load sharing and speed governors/modules installation, calibration and operation. Start-ups and Load Bank tests.

**DBS, Inc. /PAN Miami/FL   07/1997 – 03/1998**

**Comm. Field Service Tech**

* FieldApplicationDesign,Engineering,Service,Maintenance,Operations,CPM,Commissioning,Retro-commissioning, programming, installation, troubleshooting, repair,maintenance,design/buildofPanasonic (OEM) (DBS-24/40/72/96) communication systems (LAN-WAN-RF-MicroWave-Internet-Telegragh-Telephone-FiberOptic-Satellite Networks,
* Telephony (T-1) interfaces and faxes/modems) for Commercial, Institutional/Educational, Health Care, Military

(Call/Data Centers) Residential facilities/applications.

**CDD/CNEEC SC/VC/Cuba 12/1993 – 02/1997**

**Project Electrical Eng./PM/PI CULV/MA-PNDEESC**

* TeachingofElectricCircuitssubjectsfromI-IV.ElectricalMotorDrivesDesign.PowerGenerationPlants,Transmission, Sub Transmission, PrimaryDistribution&Telecom. Networks (RF,Microwave, FiberOptic, Satellite, Telephone,
* Wireless(TDMA,CDMA,GSM).Wireless(CDMA,TDMA,GSM),PowerLineCarrier&SubstationD/EPC/SU/CxE.
* Power Factor Improvement.EnergyEconomy.
* BusinessAdministration&SiteDesign/Build/Engineering/Construction Project Management/Admin.

 **EBO/LVCED/CNEEC SC/VC/Cuba 10/1992 – 11/1993**

 **Power Electrical Eng./PM**

* DB/EPC/CPM, Commissioning, Retro-commissioning and Start-Ups of Power Generation, Transmission, Sub transmission,PrimaryDistribution,Sub-stations,Telecom (RF,Microwave,FiberOptic,PowerLineCarrier,Telephone, Wireless (TDMA, CDMA, GSM), Satellite) & Secondary Distribution Energy Networks.
* Power Flow Quality Control, Conditioning, FilteringandMonitoring/Management,SystemsStability/Reliability, FaultDeterminationandElectrical
* Protection Selective Coordination studies in.