Junior Electrical Engineer

13270 Fos-sur-Mer · Plus de 10 ans d'expérience · Réf. 260825105025

Ma recherche

Contrat recherché : Tout contrat

Zone : PACA

Mobilité : sur toute la région

Rémunération : A étudier

Secteur : Bâtiment

Formations

2025-09-01 — Bac +5 — École centrale d'électronique (ECE)

Master of Science – Sustainable Energy Future Microgrid simulation & optimisation (HOMER /Pro), hybrid energy system optimisation, IoT integration with MQTT, transmission design with NEPLAN and load profile analysis.

2022-07-31 — Bac +5 — Government Hydro Engineering College

Bachelors of Technology – Electrical Engineering IoT based smart parking system project and core electrical engineering curriculum.

Expériences professionnelles

2026-04-01 - à ce jour — Process Engineer Intern

Developed a productivity model using Gantt and Pert methodology to analyse the hot rolling mill process and identify production bottlenecks and critical paths. Automated extraction and analysis of operational signals from IBA and Business Objects databases. Evaluated bottleneck reduction strategies across furnaces, roughing mill, finishing mill and coiling operations, improving throughput and operational efficiency.

2024-12-01 - 2025-08-31 — Industrial Automation Engineer

Led multidisciplinary engineering teams to prepare commissioning plans and validate control loops, LV electrical systems, and control philosophy for plant automation. Performed electrical diagnostics using SLD and P&IDs for commissioning SCADA to integrate motors and instrumentation. Improved system response time by 15 /ms by optimizing alarm thresholds and risk assessment logic. Commissioned automation systems with SCADA and PCS /7 controller for 12 /MW steam turbines and 120 /t boilers.

2023-08-01 - 2024-10-31 — Industrial Automation Engineer

Designed and tested automation systems, developing PLC and DCS panels, PID control loops and single line diagrams. Integrated industrial communication protocols (Modbus, Profinet, Profibus) for VSDs and servo motors using TIA Portal and WinCC. Validated control loops achieving 45 /s response time for a power backup architecture with batteries and DG generation.

2022-03-01 - 2022-07-31 — Electrical Engineer

Performed process electrical diagnostics and cabling using single line diagrams to restore a 200 /MW generating unit in the Parbati II hydro electric plant. Tested auxiliary systems with N 1 approach for stator earth fault analysis and optimized transformer maintenance through no load and short circuit testing.

2021-06-01 - 2021-07-31 — Electrical Maintenance Engineer

Assisted in power transformer maintenance, field testing and de commissioning projects for the regional network, validating risk and cost estimates and producing documentation.

Langues

Français (Courant), Anglais (Langue maternelle), Hindi (Langue maternelle)

Atouts

Python, Power BI, MS SQL Server Management Studio, Extend Sim, Business Object, Siemens PCS7, TIA Portal, Step /7, NEPLAN, HOMER /Pro, EMTP, PSS®E, IBA Analyser, AutoCAD, WinCC, Microsoft Office 365 (Excel, Word, PowerPoint, Outlook), Project Management, PMI certification, Risk assessment and alarm management strategies, Familiar with PMI methodology

Loisirs

Badminton, Swimming, Cricket, Kayak, Wind Surf, Travel and hiking, Cooking, Volunteering for events

Fiche anonyme — l'identité et les coordonnées du candidat sont communiquées aux recruteurs qui en font la demande sur pmebtp.com.