

DIOGO CARRACINHA

Electrical Project Engineer · E&I Package Delivery · Data Center & Industrial Energy Projects

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PROFESSIONAL SUMMARY

Electrical Project Engineer with international installer-side delivery experience across hyperscale data center and industrial energy projects in Norway and Sweden. Managed day-to-day execution of an approx. €8M electrical installation project, coordinating up to 70 technicians and subcontractors across cable containment, MV/LV cabling, terminations, instrumentation, pre-commissioning and handover. Experienced across E&I packages from €2M to €7M, with a consistent track record in daily planning, QA/QC coordination, punch-list closeout, progress reporting and client interface. Certified Associate in Project Management (CAPM — PMI). EU work authorization. Open to Sweden, Norway, Finland, Germany, Austria, Switzerland, Luxembourg and wider European project assignments.

CORE SKILLS

E&I Field Delivery: MV/LV Cabling · Cable Containment · Cable Pulling & Terminations · Instrumentation · LV Panels & MCCs · UPS · DCS · LV/MV Switchgear · Earthing · Lighting

Project & Site Management: Daily Planning & Lookahead · Progress Tracking & Reporting · Subcontractor Coordination · Workforce Coordination · Material Coordination · Budget Follow-up · Client & Stakeholder Interface

QA/QC & Commissioning: Pre-commissioning · Insulation Resistance Testing · Functional Testing · Punch-List Closeout · Snag Management · Redlines & As-built Follow-up · Handover Documentation · System Completion Readiness

HSE: HSE Mindset · Permit to Work · Toolbox Talks · RAMS · Method Statements · Site Compliance

Tools: Excel · AutoCAD · Microsoft 365 · SharePoint · EPLAN (developing) ·

PROFESSIONAL EXPERIENCE

Electrical Project Manager | **EST, S.A.** | Gothenburg, Sweden Mar 2025 – Jun 2026

Project: Biomass Fuel Yard — Raumaster / Göteborg Energi · 140 MWth Biofuel Power Plant · Dual Role

- Led full E&I package delivery, coordinating multidisciplinary site teams, subcontractors and suppliers across cable containment, MV/LV cabling, instrumentation, automation interfaces and fire protection systems.
- Managed full project lifecycle from planning and procurement through site execution, pre-commissioning and client handover, maintaining delivery alignment with Raumaster and Göteborg Energi milestones.
- Structured daily and weekly lookahead planning routines, aligning workforce availability, material delivery and technical priorities to protect critical-path activities and reduce schedule risk.
- Ensured works aligned with Swedish electrical and safety standards, driving QA/QC field checks, method statement adherence, redline documentation and handover package preparation.
- Acted as central interface between client, internal teams, suppliers and subcontractors, resolving technical blockers and maintaining progress visibility across all workfaces.

Electrical Site Engineer | **EST, S.A.** | Gothenburg, Sweden Feb 2025 – Jan 2026

Project: 140 MWth Biomass Power Plant — Valmet / Göteborg Energi · Dual Role

- Coordinated material procurement and delivery planning, tracking orders, confirming site arrivals and aligning material availability with installation sequencing and workface priorities.
- Carried out cable insulation resistance testing and continuity testing, documenting results and supporting punch-list closeout ahead of pre-commissioning milestones.
- Maintained redline and as-built drawing records throughout site execution, ensuring installed-works documentation remained accurate and traceable for handover.
- Participated in client progress meetings, reporting installation status, flagging open items and supporting alignment between site execution and client expectations.

Budget Engineer / Electrical Project Engineer | **EST, S.A.** | Portugal Sep 2024 – Feb 2025

- Managed budget control and cost tracking for electrical and E&I packages.
- Reviewed electrical scopes, drawings and quantities to support quotations, procurement decisions and package planning, strengthening constructability review and cost-to-scope alignment.
- Prepared technical documentation, progress inputs and reporting material connecting engineering, procurement and site execution needs across concurrent project scopes.

Electrical Site Engineer | **EST, S.A.** | Hamar, Norway Feb 2024 – Dec 2024

Project: Green Mountain OSL2-Hamar — Hyperscale Data Center · 3×30 MW, 150 MW Total · Tier III Uptime

- Supervised installer-side electrical works on one of Norway’s largest hyperscale data center programmes, supporting delivery of critical power infrastructure across a 3×30 MW Tier III environment.
- Coordinated installation of critical power infrastructure including UPS systems, diesel generators, ATS, chillers and LV/MV switchgear across multiple data center buildings, ensuring installation quality and system traceability.
- Managed MV/LV cable trays, cable pulling, terminations and power distribution panel installation across multiple buildings, tracking workface progress and resolving interface constraints.
- Contributed to pre-commissioning and commissioning activities including insulation resistance tests;
- Drove QA/QC field checks, snag management, redline documentation and handover package.

SELECTED PROJECTS

DC ProjectHub — E&I Construction Management SaaS | **Personal Project** | Remote 2025 – Present

- Designed and built DC ProjectHub, a construction-management SaaS for E&I installation projects, driven by direct experience of visibility and traceability gaps identified on Data Center and industrial sites.
- Covers progress tracking, cable lists, equipment management, Gantt views, budget tracking, role-based access control and automated PDF reporting — built to address real field execution challenges.

EDUCATION

BSc in Electrical and Computer Engineering | **University of Coimbra** | Portugal 2020 – 2024

Erasmus — Electrical and Electronics Engineering | **UPC Barcelona East School of Engineering** | Spain 2022 – 2023

CERTIFICATIONS

Certified Associate in Project Management (CAPM) — Project Management Institute (PMI) · 2024

LANGUAGES

Portuguese: Native · **English:** Fluent · **Spanish:** Fluent · **German:** A2 (in progress — Goethe-Institut)