

ALEXANDRU CORNEA

EPC CONSTRUCTION MANAGER | MULTI-BILLION-DOLLAR CAPITAL PROJECTS | EUROPE | MIDDLE EAST | ASIA

\$3.5B+ Energy & Petrochemical Programs | AWP & Modular Execution | Greenfield & Brownfield

EU Passport | Abu Dhabi, UAE | International Mobility (30 Days Notice)

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CAREER HIGHLIGHTS

Led EPC and EPCm construction delivery on multi-billion-dollar programs (up to \$3.5B; 50M+ man-hours) across Europe, Middle East, and Asia, sustaining zero-incident HSSE performance under complex greenfield and brownfield conditions.

Directed full-scope multi-discipline execution (civil, structural, mechanical, piping, E&I), strengthening workforce predictability and SIMOPS compliance across complex multi-contractor delivery systems.

Deployed Advanced Work Packaging (AWP) and modular execution strategies, reducing workforce congestion (~20%) and increasing labor productivity (~15%) through disciplined work-face readiness.

Delivered high-visibility, schedule-critical scopes under senior client oversight, protecting baseline milestones through readiness governance, interface control, and KPI-driven risk management.

Built and mobilized high-performance multicultural site organizations, driving execution discipline through mechanical completion, commissioning readiness, and documentation-complete turnover to operations.

CORE COMPETENCIES

EPC Construction Leadership | Greenfield & Brownfield Delivery | Advanced Work Packaging (AWP) | Modular Execution

Heavy Lift Integration & Construction Logistics | Construction Readiness & SIMOPS Governance

Systems Completion (MC, RFC, RFSU, Handover) | Turnover to Operations

Multidiscipline Site Leadership (Civil, Structural, Mechanical, Piping, E&I) | HV/LV Substations & Power Distribution

HSSE Leadership & Zero-Incident Culture | Interface Governance (EPC / EPCm / PMC / Client)

Planning & Controls (Level 4 Scheduling, KPIs, Risk Registers) | Claims Avoidance | Change & Scope Governance

Commissioning & Start-Up Readiness | System Walk-downs | Punch Management | Mechanical Completion

PROFESSIONAL EXPERIENCE

CONSTRUCTION MANAGER

Tecnimont SpA | Al Ruwais, Abu Dhabi, UAE | 2024-Present

Hail & Ghasha Onshore Project | ADNOC | \$3.5B | 35M man-hours | Greenfield

EPC Construction Manager leading multi-package greenfield execution on ADNOC's flagship gas development program, accountable for package performance, HSSE leadership, cost exposure, and milestone protection under direct client oversight.

- Built and led a 50+ engineer organization across civil, structural, piping, and E&I scopes. Established execution discipline and clear package accountability
- Served as executive interface with ADNOC leadership, aligning construction strategy to milestone frameworks and risk exposure
- Maintained cost and schedule control across multi-package scopes within a multi-billion-dollar capital program
- Directed 90,000 m³ concrete, 25,000 t structural steel, and 340,000+ inch-dia piping works, including heavy-lift reactor installation
- Governed subcontractor performance and stage-gate controls across critical-path and high-risk work fronts
- Oversaw full E&I execution (HV/LV substations, automation, control systems, pre-commissioning) in compliance with ADNOC and IEC standards
- Protected baseline milestones through disciplined Level 4 planning and integrated risk controls, sustaining zero-LTI performance through mechanical completion and structured turnover

CONSTRUCTION MANAGER

Technip Energies | Rotterdam, Netherlands | 2023-2024

RDCG Rotterdam Capacity Growth | NESTE | \$1.5B | Greenfield & Brownfield

Construction Manager overseeing EPCM execution within an active refinery environment, safeguarding operational continuity while delivering capacity expansion under stringent SIMOPS constraints.

- Directed contractor interfaces and cross-discipline coordination across structural, mechanical, and utilities scopes within live-plant boundaries, including execution of flare systems, furnace upgrades, and critical brownfield tie-ins
- Led daily HSSE and progress governance, weekly coordination, and structured risk mitigation within SIMOPS constraints
- Established executive reporting and look-ahead governance aligned with baseline milestones
- Drove change management and claims avoidance through disciplined documentation and early issue identification
- Ensured construction readiness and execution continuity through proactive interface management and early constraint resolution

CONSTRUCTION MANAGER

Technip Energies | Bà Rịa-Vũng Tàu, Vietnam | 2020-2023

Long Son Petrochemicals (LSP) Olefins Complex | \$1.5B | 8M man-hours | SK Engineering JV | Greenfield

Construction Manager leading multi-discipline execution on a large-scale greenfield olefins complex, accountable for critical-path delivery through system completion and start-up.

- Directed furnace, cracking, and utility mechanical packages supporting 1.6 Mtpa olefins capacity
- Led 24/7 fast-track execution governance and HSSE leadership across multi-contractor work fronts
- Drove readiness for mechanical completion, pre-commissioning, and commissioning under aggressive start-up windows
- Led system walk-downs and major punch-list closure campaigns to enable controlled turnover

CONSTRUCTION SUPERINTENDENT (POLYMER UNITS & UTILITIES)

Tecnimont SpA | Sohar, Oman | 2018-2020

Liwa Plastics Project - EPC2 | OQ | \$895M | 10M man-hours | Greenfield

Construction Superintendent accountable for polymer production units and utilities execution from bulk construction through commissioning and turnover within a large-scale greenfield program.

- Supervised execution of HDPE, LLDPE, and PP production units including extrusion, polymerization, utilities, and power distribution systems
- Coordinated subcontractors and discipline interfaces, enforcing HSSE, QA/QC, and construction readiness standards
- Managed work sequencing and interface resolution through pre-commissioning and commissioning phases
- Led system walk-downs, punch closure, and turnover to operations

EARLIER ROLES

Systems Completion Lead (Turnover & Handover) - Saipem SpA - Port Harcourt, Nigeria | 2016-2017

Project Construction Lead - Saipem SpA - Port Harcourt, Nigeria | 2014-2015

Project Engineer (Constructibility) - Saipem SpA - Milan, Italy | 2014

HVAC Service Technician - Instal Expert SRL - Cluj-Napoca, Romania | 2012-2013

EDUCATION & PROFESSIONAL AFFILIATIONS

Education: M.Sc., Mechanical Engineering (Renewable Energies), Technical University of Cluj-Napoca – 30 ECTS

Education: B.Eng., Mechanical Engineering (Thermal Systems & Equipment), Technical University of Cluj-Napoca

Certification: VOL-VCA – Safety for Operational Leaders, Rotterdam, Netherlands | 2024

Leadership Training: Manager & Specialist Track | Leader in Safety | Multicultural & International Work Methods – Eni Corporate University, Milan, Italy | 2014

Professional Membership: KIVI – Royal Netherlands Society of Engineers | AGIR – Romanian Engineers Association

Language: Romanian (Native) | English (Fluent)