

Simone Droghini

SENIOR PROJECT MANAGER

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Nationality: Italian

Professional Summary

Mechanical Engineer with +20 years of experience in project management for Biotechnologies, Nuclear, Oil/Gas, and Power industries. Proven track record in leading complex projects for companies like FLUOR, ABB, ENEL, and ANDRIZ AG. Skilled in project execution strategy, stakeholder management, and process optimization.

Experience Highlights

- Led engineering, procurement, and construction projects in 12 countries, managing budgets up to \$500M USD.
- Expertise in end-to-end project management, from obtaining building permits to successful handover to operations teams, ensuring seamless project lifecycle management.
- Broad knowledge of planning / reporting development technique and tools; Executive master's in construction plant management; PMP / PMI literate.
- Transferable project management skills across industries.
- Adept at creating synergies between construction, engineering, and other functional units, optimizing project performance through process analysis and implementation.
- Successfully restructured and renegotiated contracts, resulting in cost savings and improved project alignment.
- Supported pre-sales processes, providing technical expertise for critical infrastructure design and expansion proposals.

Experience Detail

KANADEVIA INOVA AG | Switzerland | 2023-Present

SENIOR PROJECT MANAGER

PROTOS Carbon Capture Project | Encyclis | €400M EPC

- Performance of FEED assessment and gap analysis to identify technical risk and opportunity
- Optimized the design of process column and internals to minimize the cross-section area
- Optimized the steel structure design reducing the quantity of about 40%
- Restructured the procurement strategy to fit the best industry practice, rationalize the internal resource and to achieve a reasonable pricing level.

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ROME Energy from Waste Project | Rome Municipality | €400M EPC Consortium Contract

- Developed and implemented comprehensive project execution strategy for 600k ton/year waste-to-energy plant
- Created baseline construction schedule and procurement/engineering schedules
- Established innovative monitoring systems for internal engineering and supplier manufacturing
- Managed administrative procedures and permits with local authorities and client representatives
- Integrated advanced ancillary systems including Carbon Capture, District Heating, and Waste Treatment

SENIOR PROJECT MANAGER

PADOVA Incinerator Project | Hera Ambiente / HeraTech | €40M EPC Consortium Contract

- Led project execution strategy for 300 ton/day incinerator line installation
- Developed and implemented planning and risk management frameworks
- Created and maintained construction schedule baseline with procurement and engineering schedule
- Coordinated MEP engineering outsourcing, supplier management, and consortium partnerships
- Established effective monitoring protocols for internal engineering and supplier manufacturing

FLUOR | Denmark | 2022-2023

PROJECT CONSTRUCTION MANAGER

North Star Project | FUJIFILM DIOSYNTH BIOTECHNOLOGIES | \$1.6 PCM Contract (\$50M direct responsibility).

- Restructured Project Execution Management Plan for warehouse facility engineering and construction
- Implemented robust change management procedures, reducing scope creep by 15%
- Developed construction baseline schedule with rolling wave detail schedule development
- Established progress monitoring systems for engineering, manufacturing, and construction
- Managed CSA and MEP engineering outsourcing, suppliers, and contractors to mechanical completion
- Successfully transitioned from construction to commissioning phase with full GMP compliance

TGE-GAS ENGINEERING | Germany | 2021-2022

CONSTRUCTION MANAGER

LNG Terminal Extension | Gaz-System | \$120M EPC Contract (\$40M direct responsibility).

- Coordinated multidisciplinary project scope (Mechanical, Electrical, I&C) for offshore LNG terminal

- Developed contractor schedules and resource plans for each discipline
- Created technical specifications for supplier selection and supported bid evaluation
- Implemented site arrangement planning for materials storage and prefabrication areas
- Developed commissioning strategies for seamless integration with existing LNG systems
- Maintained zero safety incidents through implementation of rigorous LNG-specific safety protocols

FENNOVOIMA | Finland | 2021

PROJECT MANAGER

HANHIKIVI Nuclear Power Plant | Fennovoima | \$8B Project (>\$500M direct responsibility).

- Oversaw EPC contractor performance for 1200 MWe nuclear reactor building design and construction
- Reviewed and optimized project planning and execution processes
- Coordinated First Nuclear Safety Concrete milestone, including site preparation activities
- Managed civil, mechanical, and electrical detailed design for Reactor Building
- Served as key liaison with regulatory authorities, ensuring compliance with nuclear safety standards

ANDRITZ AG | Austria | 2019-2021

ENGINEERING PROJECT MANAGER

Tokushima Tsuda Biomass Power Plant | HITZ Hitachi Zosen | \$60M EP Contract

- Managed team of 20+ engineers, ensuring on-time delivery of project milestones
- Restructured activity planning based on resource availability and logical sequencing
- Led procurement strategy restructuring to secure key milestones and improve contract management
- Guided critical engineering decisions affecting overall project execution
- Implemented design change management processes with full client approval

PIPING EXECUTION MANAGER

Dongguan/Kuala Langat CFB Boiler Projects | Best Eternity Recycle Technology Sdn. Bhd. / Guangdong Lee&Man Paper Manufacturing Ltd. | \$50M EP Contract

- Led team of 15 piping engineers to deliver two 50MWe Circulating Fluid Bed Boilers
- Evaluated workload for piping engineering activities against contract milestones and budget
- Prepared technical documentation for engineering outsourcing and piping manufacturer selection
- Supported procurement in establishing effective contract terms and conditions
- Monitored manufacturing activities to ensure successful contract completion

ENEL INGEGNERIA E RICERCA S.P.A. | Slovakia | 2013-2019

CONSTRUCTION MANAGER

MOCHOVCE Nuclear Power Plant Units 3&4 | Slovenske Elektrarne | \$6B Project (>\$500M direct responsibility)

- Led multidisciplinary team of 40 engineers for Conventional Island technological packages
- Restructured construction team to optimize delivery of turnover packages within budget and schedule
- Developed construction plans analysing scope, methods, constraints, and logistics
- Coordinated installation and testing of mechanical, electrical, and instrumentation systems
- Maintained zero accidents through enhanced safety protocols and procedures

- Collaborated with Project Management on contract strategy and resolution of claims

SENIOR PROJECT ENGINEER

- Managed HVAC systems for both Nuclear and Conventional Islands
- Supervised engineering deliverables including 3D modelling, stress analysis, and interface data
- Supported budget preparation, commercial negotiations, and technical specifications
- Led team of 20 local engineers to meet safety, quality, and budget requirements
- Served as Team Leader for Seismic Interaction coordination at Reactor building
- Managed multiple nuclear island systems including Radiation Monitoring and Decontamination

ENEL INGEGNERIA E RICERCA S.P.A. | Italy | 2009-2013

PROJECT ENGINEER / AREA PROJECT ENGINEER

Multiple Power Plant Projects in Russia, Italy, and Spain

- Managed multidisciplinary engineering teams for power plant projects
- Coordinated supplier follow-up to ensure timely deliverables and data exchange
- Conducted site surveys and technical evaluations for retrofitting projects
- Prepared technical specifications and validated engineering studies
- Served as key interface between contractors, technologists, and construction teams

ABB S.P.A. / OYSTER PROGETTI INTERNATIONAL | Italy | 2006-2009

STATIC EQUIPMENT ENGINEER/PROJECT LEADER

Multiple Oil & Gas and Chemical Projects

- Prepared purchase requisitions including technical specifications and mechanical datasheets
- Reviewed vendor documentation including design calculations and inspection documents
- Coordinated information exchange between disciplines, vendors, and clients
- Managed equipment procurement for sulphur recovery units and water injection systems

Education

2025	Systemic Problem Solving (SPS), Udemy
2025	Medical Device Process Validation, ISO 13485 (IQ, OQ and PQ), Udemy
2025	Basic Good Manufacturing Practice (GMP), Udemy
2025	Contract, Delays and Claim in Primavera P6, Udemy – CEM Solutions
2022	PMP/PMI
2012	Executive Master in Nuclear Plant Construction Management(e-NPCM), MIP school of management - Politecnico di Milano, MILAN (ITALY)
2005	Master's in mechanical engineering, Roma Tre University, ROME (ITALY)

Languages

Italian – Native Speaker

English – Fluent

Russian – Basic

Slovak – Basic