

TBM Electrician (Elettricista TBM)

- Inspect, maintain, and repair electrical systems and components of the TBM.
- Troubleshoot electrical malfunctions and perform necessary repairs.
- Work with TBM operators and mechanics to ensure electrical systems support safe and efficient machine operation.
- Ensure compliance with electrical safety standards and regulations on the construction site.

TBM Erector Operator (Erettorista TBM)

- Operate the segment erector machinery to place tunnel lining segments accurately.
- Coordinate with the TBM operator to ensure alignment and proper placement of tunnel segments.
- Conduct regular checks and maintenance on the erector machinery to ensure its optimal performance.
- Adhere to safety protocols and contribute to a safe working environment.

TBM Mechanic (Meccanico TBM)

- Perform routine and preventative maintenance on TBMs and associated equipment.
- Diagnose and repair mechanical issues, including hydraulic and pneumatic systems.
- Work in compliance with TBM specifications and safety protocols.
- Follow detailed mechanical drawings and schematics to perform repairs and maintenance.
- Collaborate with engineers and other construction staff to ensure machinery operates efficiently.
- Participate in safety briefings and contribute to a culture of safety on the project site.

Shotcrete Operator (Lancista)

- Operate the shotcrete lance and pump to reinforce the rock mass surface with shotcrete.
- Inspect and maintain cutting lance equipment to ensure optimal performance and minimize downtime due to mechanical failures.
- Adhere to safety protocols and guidelines to protect oneself and colleagues from potential hazards associated with the use of cutting lances and traditional excavation operations.

Excavator Operator with hammer (Escavatorista con martellone)

- Operate the excavator with hammer to break the rock mass at the tunnel face and, as well as, remove the debris during traditional excavation, ensuring efficient progress.
- Inspect and maintain the excavator to ensure optimal performance and minimize downtime due to mechanical failures as well as checks the wear of the hammer bit.
- Adhere to safety protocols and guidelines to protect oneself and colleagues from potential hazards associated with the use of the excavator and traditional excavation operations.

Tunnel Miner (Minatore)

- Perform manual excavation tasks using tools such as pickaxes, shovels, and pneumatic drills to create tunnels and shafts, ensuring the structural integrity of the newly excavated sections.
- Install temporary and permanent supports, such as timber, steel arches, and shotcrete, to stabilize tunnel walls and ceilings during and after excavation.
- Identify and mitigate potential safety hazards within the excavation environment, ensuring compliance with safety regulations and protocols to protect all personnel.

Tunnel Driller (Perforatore)

- Conduct precise drilling operations to create holes for explosives, drainage, consolidation or facilitate excavation, ensuring alignment and depth specifications are met.
- Operate and maintain drilling equipment, performing routine checks and repairs to ensure continuous and effective drilling performance.
- Work closely with other excavation team members to synchronize drilling activities with overall progress, ensuring seamless operations.
- Identify and mitigate potential safety hazards within the excavation environment, ensuring compliance with safety regulations and protocols to protect all personnel.

Civil Works Supervisor - Civil Engineering, Construction Engineering, Environmental Engineering

Key Responsibilities:

- Supervise and coordinate civil works activities on the highway construction site, ensuring adherence to project plans, safety standards, and timelines.
- Monitor day-to-day operations, managing resources, workforce, and equipment efficiently to maintain productivity.
- Ensure compliance with regulatory standards and project-specific requirements, including safety and environmental protocols.
- Collaborate with project managers, contractors, and engineers to resolve issues and maintain smooth workflow.
- Prepare and submit daily/weekly progress reports and documentation, highlighting key milestones and challenges.

Batching Plant Assistant - Civil Engineering, Mechanical Engineering, Materials Technology

Key Responsibilities:

- Assist in managing the operations of the concrete batching plant, ensuring timely production of high-quality concrete.
- Monitor plant equipment and machinery to ensure efficient functioning and troubleshoot minor issues.
- Coordinate with the site team to manage concrete delivery schedules and meet project requirements.
- Maintain proper documentation of batching operations and materials used.
- Ensure adherence to safety and environmental standards in plant operations.

Earth Moving Assistant - Civil Engineering, Mechanical Engineering, Geotechnical Engineering

Key Responsibilities:

- Support earthmoving operations, including excavation, grading, and soil compaction activities on-site.
- Coordinate with operators and monitor the usage of heavy machinery and equipment, ensuring optimal performance.
- Assist in monitoring site conditions and adjusting work plans as needed for efficient material movement.
- Report progress and operational issues to the site supervisor and ensure compliance with project timelines and safety protocols.
- Maintain records of daily earth-moving activities and equipment usage.

MEP Construction Assistant - Mechanical Engineering, Electrical Engineering, Building Systems Engineering

Key Responsibilities:

- Assist in coordinating the installation and maintenance of mechanical, electrical, and plumbing (MEP) systems.
- Work closely with the MEP supervisor and subcontractors to ensure that all works comply with project specifications and timelines.
- Support the inspection and testing of MEP installations to ensure operational efficiency and quality.
- Assist in troubleshooting and resolving MEP-related issues on-site, collaborating with engineers and technicians.
- Document daily activities and progress of MEP installations, ensuring proper record-keeping.

Plants Assistant - Mechanical Engineering, Industrial Engineering, Chemical Engineering

Key Responsibilities:

- Support the operation and maintenance of other plant equipment such as crushers, screens, or asphalt plants.
- Monitor plant operations to ensure efficiency and address any minor mechanical or operational issues.
- Assist in coordinating the scheduling of plant activities in alignment with the construction timeline.
- Maintain accurate logs of plant operations, production levels, and materials used.
- Ensure plant activities are carried out in accordance with safety and environmental regulations.

Site Assistant - Civil Engineering, Construction Engineering, Environmental Engineering

Key Responsibilities:

- Assist in the overall coordination of on-site construction activities, ensuring alignment with project plans.
- Work closely with the site supervisor to track daily progress and manage resource allocation.
- Monitor and ensure compliance with safety standards, conducting routine checks and reporting issues.
- Coordinate with other site teams to ensure smooth communication and resolve operational challenges.
- Maintain accurate site logs, documenting daily activities and work performed.

Structures Assistant - Civil Engineering, Structural Engineering, Construction Engineering

Key Responsibilities:

- Support the construction of structural elements, including bridges, overpasses, and retaining walls.
 - Assist in monitoring the progress of structural works, ensuring adherence to design specifications and timelines.
 - Collaborate with engineers and structural supervisors to troubleshoot issues and ensure quality control.
 - Coordinate material deliveries and manage on-site resources to avoid project delays.
 - Maintain records of structural work progress, including inspections, material usage, and key milestones.
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Electrical Supervisor - Electrical Engineering, Energy Engineering, Systems Engineering

Key Responsibilities:

- Supervise and manage all electrical works on the railway construction site, ensuring compliance with project specifications and safety standards.
- Coordinate with electrical engineers, technicians, and subcontractors to ensure timely and accurate installation of electrical systems, including signaling, power supply, and lighting.
- Inspect and test electrical systems to ensure operational efficiency and adherence to regulatory standards.
- Troubleshoot electrical issues on-site and provide technical guidance to the team for prompt resolution.
- Prepare daily and weekly reports on electrical work progress and ensure all documentation is up-to-date.

MEP Technical Supervisor - Mechanical Engineering, Electrical Engineering, Civil Engineering

Key Responsibilities:

- Oversee the technical aspects of mechanical, electrical, and plumbing (MEP) systems on the railway project.
- Coordinate the installation and testing of MEP systems, ensuring they meet project specifications and regulatory requirements.
- Provide technical guidance to MEP teams, troubleshooting issues, and ensuring efficient integration with other construction activities.
- Collaborate with design and engineering teams to resolve technical challenges and optimize MEP system performance.

- Maintain accurate records of MEP activities, including inspections, testing, and system performance reports.

Site Assistant - Civil Engineering, Industrial Engineering, Construction Engineering

Key Responsibilities:

- Assist in coordinating daily construction activities on the railway site, supporting the site manager in tracking progress and resolving issues.
 - Ensure that all site operations adhere to safety protocols and regulatory standards, conducting routine inspections.
 - Coordinate with various construction teams to manage resource allocation and ensure timely completion of tasks.
 - Maintain daily logs of site activities, including worker attendance, material usage, and work progress.
 - Support communication between the site team, engineers, and project managers to ensure alignment with project goals.
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Buyer – Civil Engineering, Business Administration, Industrial Engineering, Economics

Key Responsibilities:

- Sourcing and procuring materials, equipment, and services for desalination and water treatment projects.
- Managing supplier relationships and negotiating contracts to ensure competitive pricing and timely deliveries.
- Ensuring compliance with environmental and sustainability standards in procurement processes.
- Collaborating with project managers and engineers to meet material and equipment specifications.
- Maintaining accurate procurement records and inventory management systems.

Construction Manager - Civil Engineering, Construction Engineering, Environmental Engineering

Key Responsibilities:

- Overseeing all construction activities for desalination and water treatment facilities, ensuring compliance with timelines, budgets, and quality standards.
- Managing subcontractors and construction crews, ensuring adherence to safety and environmental regulations.
- Coordinating with engineering teams to resolve technical issues during construction.
- Preparing construction progress reports and identifying any potential delays or risks.
- Ensuring that sustainable construction practices are followed throughout the project lifecycle.

Design Engineer – Civil Engineering, Mechanical Engineering, Electrical Engineering, Chemical Engineering, Environmental Engineering

Key Responsibilities:

- Designing systems for desalination plants and water treatment facilities with a focus on sustainability and operational efficiency.
- Conducting feasibility studies and optimizing plant design for energy efficiency and waste reduction.
- Collaborating with multidisciplinary teams to ensure designs meet project specifications and regulatory standards.
- Preparing detailed design documentation, including process flow diagrams, piping layouts, and equipment specifications.
- Implementing innovative solutions to enhance the environmental impact of water and waste management systems.

Design Manager - Civil Engineering, Mechanical Engineering, Electrical Engineering

Key Responsibilities:

- Leading the design teams for water treatment and desalination projects, ensuring alignment with project goals and sustainability targets.
- Coordinating the integration of civil, mechanical, and electrical systems into plant designs.
- Managing design changes and ensuring stakeholder communication throughout the project lifecycle.
- Reviewing and approving design documentation and ensuring compliance with environmental regulations.
- Providing technical leadership to the design teams, promoting innovative and sustainable solutions.

Logistic/Expediting Assistant - Logistics, Supply Chain Management, Industrial Engineering

Key Responsibilities:

- Coordinating the movement of materials and equipment for desalination and water treatment projects, ensuring timely deliveries.
- Monitoring supplier performance and expediting orders to avoid delays in project timelines.
- Collaborating with procurement and construction teams to ensure logistical efficiency and sustainability.
- Maintaining accurate records of shipments, deliveries, and inventory levels.
- Assisting in optimizing the logistics process to reduce carbon footprint and enhance environmental compliance.

Planner - Industrial Engineering, Civil Engineering, Architecture, Project Management

Key Responsibilities:

- Developing detailed project schedules for desalination and water treatment facility construction.
- Collaborating with project managers to establish realistic timelines, milestones, and resource allocation.
- Monitoring progress and identifying risks to timelines, proposing mitigation strategies.
- Ensuring that project plans align with sustainability goals and regulatory requirements.
- Preparing progress reports and updates for stakeholders, highlighting any potential scheduling challenges.

Process Engineer - Chemical Engineering, Mechanical Engineering, Environmental Engineering

Key Responsibilities:

- Designing and optimizing processes for water desalination and wastewater treatment with a focus on energy efficiency and waste reduction.
- Conducting technical analysis and simulations to improve plant performance and environmental sustainability.
- Collaborating with multidisciplinary teams to integrate new technologies into process designs.
- Ensuring compliance with environmental regulations and sustainability targets in process design and operation.
- Providing technical support during the commissioning and operation of water treatment plants.

Production - Other - Site Assistant - Civil Engineering, Construction Engineering, Industrial Engineering

Key Responsibilities:

- Assisting in on-site production and construction activities, ensuring adherence to project timelines and quality standards.
- Supporting the coordination between different departments to maintain efficient workflows on-site.
- Ensuring compliance with health, safety, and environmental regulations on the construction site.
- Maintaining daily logs of site activities and reporting any issues to the site manager.
- Assisting in implementing sustainable practices in site operations, including waste management and resource efficiency.

Project Control Assistant – Civil Engineering, Industrial Engineering, Business Administration, Project Management

Key Responsibilities:

- Assisting in the monitoring and reporting of project performance, including schedule, budget, and resource allocation.
- Supporting project managers in identifying risks and developing mitigation strategies.

- Collaborating with finance and procurement teams to track project expenditures and ensure cost efficiency.
- Maintaining project documentation and ensuring accuracy in progress reports.
- Assisting in ensuring that projects align with sustainability goals and regulatory standards.

Site Assistant – Civil Engineering, Environmental Engineering, Industrial Engineering

Key Responsibilities:

- Assist in coordinating on-site construction activities for desalination and water treatment facilities, ensuring efficient resource allocation.
 - Monitor compliance with health, safety, and environmental standards, particularly in waste management practices.
 - Support communication between project teams, ensuring timely resolution of issues and smooth workflow.
 - Maintain accurate site records, including daily logs of operations, materials, and workforce activities.
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Site Assistant – Civil Engineering, Construction Engineering, Industrial Engineering

Key Responsibilities:

- Assist in overseeing daily construction activities on the railway site, ensuring tasks are completed according to the project plan and schedule.
 - Monitor compliance with safety regulations and standards on-site, ensuring a safe working environment for all personnel.
 - Coordinate with various teams (engineers, contractors) to facilitate communication and smooth progress of the project.
 - Maintain accurate daily logs and records of site activities, including workforce deployment and material usage.
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Tunnel Works Assistant – Civil Engineering, Geotechnical Engineering, Construction Engineering

Key Responsibilities:

- Assist in coordinating daily tunnel construction activities, ensuring work follows project plans and safety standards.

- Support tunnel engineers and supervisors in monitoring excavation, lining, and support systems during tunnel development.
- Ensure compliance with safety and environmental regulations, particularly regarding ventilation, lighting, and ground stability.
- Maintain accurate logs of daily tunnel operations, material usage, and equipment performance.
- Collaborate with teams to identify and address any operational challenges, ensuring timely resolution.



Plant and Equipment Specialist / Assistant / Inspector – Degree required: Mechanical Engineering, Civil Engineering

Key Responsibilities:

- Oversee the operation and maintenance of plant and equipment on the railway site.
- Ensure compliance with safety regulations and proper equipment usage.
- Assist with the scheduling and coordination of machinery for site activities.
- Conduct inspections and report on the condition and performance of equipment.

Production - Other - Site Assistant – Degree required: Civil Engineering, Industrial Engineering

Key Responsibilities:

- Assist in managing daily production tasks on the railway construction site.
- Coordinate with teams to ensure work is progressing according to the schedule.
- Ensure compliance with health and safety standards during production activities.
- Maintain logs of site activities and report any issues to the site manager.

Site Assistant – Degree required: Civil Engineering, Industrial Engineering

Key Responsibilities:

- Support day-to-day activities on the railway site, coordinating tasks with supervisors.
- Monitor adherence to safety regulations and environmental standards.
- Maintain detailed records of work performed and resource usage.
- Communicate with various teams to ensure smooth workflow and issue resolution.

Technical TBM Assistant – Degree required: Mechanical Engineering, Civil Engineering

Key Responsibilities:

- Assist in the operation and maintenance of Tunnel Boring Machines (TBM) for railway tunneling projects.
- Monitor the performance of TBM equipment and troubleshoot minor issues.
- Support the technical team in optimizing TBM operations for efficiency and safety.
- Keep accurate records of TBM performance and any technical challenges encountered.

Electrical Supervisor – Degree required: Electrical Engineering, Energy Engineering

Key Responsibilities:

- Supervise electrical installations and maintenance on the railway site.
- Ensure compliance with safety standards and project specifications.
- Coordinate with contractors and electrical teams for smooth operations.
- Inspect and test electrical systems to ensure functionality and safety

Mechanic – Degree required: Mechanical Engineering, Industrial Engineering

Key Responsibilities:

- Maintain and repair machinery and vehicles used on the railway construction site.
- Diagnose mechanical problems and implement effective repair solutions.
- Ensure equipment is operating efficiently and safely during construction activities.
- Maintain logs of equipment maintenance and repairs.

Mechanical Supervisor – Degree required: Mechanical Engineering, Industrial Engineering

Key Responsibilities:

- Supervise mechanical operations, ensuring equipment is maintained and operated safely.
- Coordinate mechanical teams to ensure smooth progress in construction activities.
- Monitor mechanical systems and address any technical issues that arise.
- Prepare reports on mechanical work progress and equipment status.

MEP Construction Assistant – Degree required: Mechanical Engineering, Electrical Engineering

Key Responsibilities:

- Assist in the installation of mechanical, electrical, and plumbing systems on-site.
- Coordinate with MEP teams to ensure timely completion of tasks.
- Monitor compliance with safety and environmental standards.
- Maintain detailed records of MEP construction activities.

MEP Construction Supervisor – Degree required: Mechanical Engineering, Electrical Engineering

Key Responsibilities:

- Oversee the installation and maintenance of MEP systems on the railway site.
- Ensure work is completed according to project specifications and timelines.
- Supervise MEP teams, ensuring compliance with safety and regulatory standards.
- Prepare progress reports and resolve any on-site technical challenges.

Plant and Equipment Specialist – Degree required: Mechanical Engineering, Civil Engineering

Key Responsibilities:

- Manage the operation and maintenance of all site plant and equipment.
- Ensure equipment is used safely and efficiently during railway construction activities.
- Coordinate maintenance schedules to minimize downtime.
- Conduct regular inspections and report on equipment performance.

Site Supervisor – Degree required: Civil Engineering, Construction Engineering

Key Responsibilities:

- Supervise daily site activities, ensuring work progresses according to the project plan.
- Monitor compliance with safety, quality, and environmental standards.
- Coordinate with engineers and contractors to address any site-related issues.
- Maintain accurate site records and prepare progress reports.

TBM Electrician – Degree required: Electrical Engineering, Industrial Engineering

Key Responsibilities:

- Install and maintain electrical systems related to Tunnel Boring Machines (TBM).
- Ensure TBM electrical systems are functioning efficiently and troubleshoot issues.
- Conduct inspections and testing of TBM electrical components.
- Document electrical work and maintenance activities.

Tunnel Works Assistant – Degree required: Civil Engineering, Geotechnical Engineering

Key Responsibilities:

- Assist in coordinating daily tunnel construction activities, ensuring work follows project plans.
- Support engineers and supervisors in monitoring excavation and support systems.
- Ensure compliance with safety regulations regarding ventilation and ground stability.
- Maintain logs of tunnel operations and assist with troubleshooting issues.

Tunnel Works Supervisor – Degree required: Civil Engineering, Geotechnical Engineering

Key Responsibilities:

- Supervise all tunnel construction activities, ensuring compliance with safety and project specifications.
- Coordinate with contractors and engineers to ensure smooth workflow.
- Monitor tunnel excavation, lining, and ground support operations.
- Prepare reports on progress and resolve any on-site challenges.

Production - Other - Site Supervisor – Degree required: Civil Engineering, Industrial Engineering

Key Responsibilities:

- Oversee production-related tasks on the railway site, ensuring work meets deadlines.
- Coordinate teams to ensure smooth execution of construction activities.
- Ensure compliance with safety regulations and project specifications.
- Report on production progress and address any operational challenges.