

ATHUL KUMAR

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📍 NEOM, Tabuk, Saudi Arabia

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PROFESSIONAL SUMMARY

A highly proficient **Civil Engineer** with over 12 years of diverse experience delivering complex and high-value construction projects across sectors including Power Plants, Marine infrastructure, Reverse Osmosis plants, Tunnels, Roads and Residential developments. Known for a hands-on leadership style and a commitment to quality, safety, and efficiency in every phase of project execution.

PMP certified and highly skilled in project coordination, multidisciplinary team leadership, client liaison, and timely delivery under demanding conditions. Proficient in AutoCAD, Revit, Primavera, and construction documentation, with a strong understanding of both design and execution workflows.

CORE COMPETENCIES

Project Execution & Site Management, Technical Documentation & Reporting, Client Coordination & Stakeholder Management, HSE & QA/QC Compliance, AutoCAD & Revit Drafting, Material Procurement & Work Permits, Civil & Marine Infrastructure, Dynamic/Rapid Compaction & Land Raising, Precast & High-Rise Building Work

EDUCATION

Bachelor of Engineering: **Civil Engineering** – 2010 -2014



Visvesvaraya Technological University

CERTIFICATIONS



Project Management Professional (PMP)® : Project Management Institute.
Credential ID : 3418042



Professional in Architectural Design: CADD Center Training Services Pvt Ltd.
Credential ID : A140616061



Associate Engineer: Saudi Council of Engineers.
Credential ID : 303655



First Aid & CPR: TUV Nord Middle East.
Credential ID : FA/1/1072/2021/09



Arabian Marine Species Observer (AMSO): Nautica Environmental Associates LCC.
Credential ID : AMSO190178

PROFESSIONAL EXPERIENCE

Site Engineer | Alfanar Global Development, Saudi Arabia *April 2023 – Present*

NEOM Residential Community Project , Client : NEOM (US\$ 2.5B)

As a Site Engineer on the prestigious NEOM Residential Community Project, I play a key role in monitoring and ensuring the smooth execution of one of the region's largest and most complex residential developments. Spanning five villages across nearly 1.6 million square meters, this project includes a wide variety of residential and combined facilities designed to serve NEOM staff, contractors, and facility management teams.

My core responsibilities involve closely monitoring the progress of the main contractor, coordinating with project monitoring consultants, and leading quality control measures. I actively engage in client meetings to align project goals and facilitate civil defense, environmental, and HSE inspections, ensuring strict compliance with all regulatory standards.

I also provide essential support to the facility management team to maintain seamless operations post-construction. My ability to coordinate multiple stakeholders and manage diverse site activities ensures projects are delivered efficiently, safely, and to the highest quality standards.

Key areas of expertise:

- Project Progress Monitoring & Coordination
- Client & Consultant Communication
- Quality Control Leadership
- Civil Defense, Environment & HSE Compliance
- Facility Management Support
- Stakeholder Engagement & Team Collaboration

I am committed to leveraging my skills to drive excellence in construction management and contribute to innovative, sustainable community development projects

Construction Engineer | Samsung–Hyundai–Archirodon JV, Saudi Arabia

August 2022 – March 2023

NEOM Spine Infrastructure – Mountain Tunnels, Client :NEOM (US\$ 1.5B)

As a Construction Engineer on the landmark NEOM project, I am responsible for overseeing the day-to-day progress and quality of construction for a complex infrastructure initiative involving the excavation of 12.5 km twin tunnels (dual track) at depths ranging from 20 to 360 meters, along with access adits and vertical shafts up to 200 meters deep.

Key responsibilities include:

- Monitoring subcontractor performance to ensure timely and quality project delivery.
- Coordinating closely with clients, project monitoring consultants, and JV contractors through regular meetings for smooth project execution.
- Arranging and managing work inspection requests to maintain strict quality control standards.
- Issuing Health, Safety, and Environmental (HSE) permits to ensure compliance with safety regulations on-site.
- Managing procurement and follow-up of construction materials to support uninterrupted work flow.
- Troubleshooting and resolving technical site issues in collaboration with project teams.
- Conducting HSE inspections alongside clients to enforce safety protocols.
- Tracking manpower deployment in alignment with project budgets and productivity targets.

Supporting overall project objectives within the broader vision of The Line development—a revolutionary urban infrastructure designed to host 1 million residents with a hyper-connected, car-free environment.

Civil Site Engineer | Archirodon, Saudi Arabia

March 2015-July 2022

Key Projects:

RO Plant Marine Causeway & Pipelines – Client :Marafiq/ACWA (US\$ 27M)

Led on-site construction activities for an 815-meter causeway supporting the RO (Reverse Osmosis) Plant marine works.

Supervised installation and high-precision welding of HDPE pipelines for both marine intake and outfall systems.

Oversaw deployment and installation of a combi floating barge used in offshore operations.

Managed precasting operations for various marine concrete components, including pipeline ballast blocks, mooring blocks, and anti-trawler blocks.

Ensured compliance with safety, quality, and project specifications throughout all phases of marine and civil works.

Land Raising & Coastal Structures – Client :Red Sea Global (US\$ 24.8M)

As the Construction Section Head, I was responsible for overseeing all phases of large-scale infrastructure projects, from planning through execution. My role included the preparation and review of Method Statements, Purchase Requests (PRs), Work Inspection Requests (WIRs), and the efficient allocation of manpower and equipment across multiple construction activities.

Key Responsibilities & Achievements:

Supervised the excavation of Airport Borrow Hill, handling over 3.1 million m³ of material.

Led ground improvement and deep soil treatment works using Dynamic Compaction (DC) and Rapid Impact Compaction (RIC) techniques.

Directed the beach reclamation of 86,000 m³, ensuring compliance with environmental and engineering standards.

Managed the construction of 4 groyne structures and one 800-meter revetment (edge protection) to stabilize coastal infrastructure.

Coordinated cross-functional teams and ensured all activities met project deadlines, safety protocols, and quality standards.

This role demanded strong leadership, deep technical knowledge, and the ability to manage high-stakes projects in challenging environments.

Shurayrah Bridge & Causeways – Client :Red Sea Global (US\$ 57M)

As a Civil Site Engineer, I led and executed all phases of marine and coastal infrastructure projects, including the construction of breakwaters, causeways, jetties, mono islands, and revetments. I successfully managed site operations from inception to completion, ensuring that all project milestones were achieved on time and to specification.

Key responsibilities and achievements:

Oversaw the procurement and supply of rock materials from quarries to construction sites, ensuring timely and quality delivery.

Coordinated quarry production schedules and logistics to align with project requirements.

Developed and implemented comprehensive QA/QC testing programs and laboratory testing schedules in compliance with industry standards.

Conducted detailed material inspections, and addressed all QA/QC KPIs to maintain construction quality and regulatory compliance.

Collaborated with multidisciplinary teams, consultants, and contractors to ensure smooth execution of

marine infrastructure works.

This role demanded a strong understanding of geotechnical materials, construction methods, quality control, and logistical coordination—all of which I consistently applied to deliver safe, durable, and cost-effective infrastructure solutions.

King Salman Maritime Yard – Client : Saudi Arabian Oil Company (Aramco) (US\$ 547M)

As a Civil Site Engineer, I was responsible for executing and supervising all phases of marine infrastructure construction, ensuring high standards of safety, quality, and technical precision. My role included overseeing the successful construction of key components such as: Breakwaters, Revetments, Marine Jetties, Dry Docks-Breakwaters, Quarry production.

Key Responsibilities:

Supervised day-to-day site activities and ensured construction progress aligned with project plans, specifications, and schedules.

Provided accurate technical data, construction drawings, and guidance to site teams to ensure smooth execution.

Monitored and enforced compliance with HSE (Health, Safety & Environment) and QA/QC (Quality Assurance/Quality Control) systems as per project manuals and standards.

Coordinated with contractors, consultants, and project stakeholders to address technical challenges and ensure timely delivery.

Conducted inspections and audits to verify adherence to engineering standards and safety regulations.

Riyadh Power Plant PP14 – Client : Saudi Electricity Company (US\$ 116M)

Served as a Civil Site Engineer for the construction of Early and General Civil Works for the PP14 Power Plant, designed to generate between 1650 MW and 1980 MW of electricity. Responsibilities included the execution and supervision of early civil works comprising:

Earthworks and grading

Foundation works for heavy and light structures

Structural and architectural civil works

Construction of buildings and related infrastructure

Road & Pavement Works

Coordination with associated electrical and mechanical disciplines

Ensured compliance with project specifications, safety standards, and quality control procedures while managing site activities and liaising with subcontractors and consultants.

Shuqaiq Steam Power Plant – Client : Saudi Electricity Company (US\$ 85M)

As a Civil Site Engineer, I successfully managed and executed all phases of complex infrastructure projects. My expertise spans foundation and structural construction, cable routing works (including cable trenches, duct banks, and electrical manholes), and extensive pipe laying works involving pressured pipes, pipe sleepers, direct burial, thrust blocks, and tunnels. I also handled drainage systems for stormwater and sanitary pipes, as well as fence and gate installations for critical operational areas.

My experience includes overseeing the construction of various key facilities such as unit electrical buildings, seawater intake structures, boiler buildings, and marine terminal control buildings. I am committed to delivering high-quality civil engineering solutions that ensure project efficiency, safety, and compliance with standards.

Responsibilities included method statement preparation, marine and civil infrastructure supervision, coordination, and HSE compliance.

Civil Engineer | Sriram Construction, India

July 2014-February 2015

Worked on the construction of the Academy Guest House, Mechanical Laundry, Drying & Ironing Room, special repairs to the Helipad and Parade Ground, and various road construction projects at the Indian Naval Academy, Ezhimala.

Key Responsibilities:

Served as the main technical point of contact on-site, providing expert advice and solutions.

Set out works accurately in accordance with detailed drawings and specifications.

Ensured strict adherence to health and safety standards across the site.

Supervised and managed site labor forces and subcontractors to maintain project timelines and quality.

Prepared comprehensive daily progress reports to track project developments.

Quickly resolved technical queries and addressed on-site challenges to avoid delays.

TECHNICAL SKILLS

MS Office Suite, AutoCAD, Revit Architecture, Primavera P6

LANGUAGES

English – Fluent

Hindi – Fluent

Malayalam – Native

Arabic – Beginner

PERSONAL INFORMATION

Date of Birth: 22 Jan 1992

Nationality: Indian

Passport No: X4251367

Iqama :2383961139 (Transferable)

Driving License: Valid (India & Saudi Arabia)