

NABEEL HASHIM

Lead Design Engineer - Telecommunication, Security & IT Infrastructure

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PROFILE

Telecommunication, cybersecurity and physical-security design leader with 19+ years of experience across Saudi Arabia, the UAE and India. Specialized in Saudi Aramco and HCIS Stage 3/4 compliance, integrated security and telecom infrastructure, design assurance, estimation, costing, procurement support for Telecom and Security deliverables, construction-phase technical support and commercial change management. PMBOK Editions 4-8 trained, with a proven record of leading multidisciplinary teams, managing complex stakeholders and closing 30%, 60%, 90% and IFC design stages on schedule for high-value programs.

CORE EXPERTISE

Security: Cybersecurity, physical-security design, HCIS Stage 3/4, security risk assessment, CPTED, VASS, IDAS, MIDS, PIDS, LRDAS, SACS, PACS, VMS and PSIM

Telecom & Networks: FOC, IP telephony, PAGA, emergency siren, process CCTV, outdoor Wi-Fi, RF planning, Cisco switching/routing, firewalls and SD-WAN

Delivery: Design reviews, IFC closeout, estimation, costing, procurement support for Telecom and Security deliverables, construction support, consultant/contractor oversight, Saudi Aramco standards, change orders, budgeting, planning and stakeholder management

AI Productivity: ChatGPT, Claude and Gemini for technical research, requirements analysis, document drafting, design-review support and professional communication

PROFESSIONAL EXPERIENCE

Lead Design Engineer - Telecommunication | Sep 2024 - Present

Nesma & Partners - Al Khobar, Saudi Arabia

- Lead telecommunication and security infrastructure design for Saudi Aramco projects, ensuring compliance with Saudi Aramco and HCIS requirements.
- Direct 30%, 60%, 90% and IFC design reviews and coordinate multidisciplinary closeout with engineering contractors, security contractors and consultants.
- Oversee HCIS Stage 3 and Stage 4 package development through Saudi Aramco/HCIS review and approval.
- Manage technical changes and commercial change orders for Security and Telecom.

Security Project Specialist | Aug 2023 - Aug 2024

NEOM, Public Safety - Tabuk, Saudi Arabia

- Designed and implemented security and telecom infrastructure for medium- and large-scale projects.
- Managed projects from planning through execution, maintaining compliance with technical specifications and safety standards.
- Coordinated cross-functional teams and external vendors, conducted security surveys and optimized network performance.

Industrial IT Project Manager | Mar 2022 - Jul 2023

ACL Digital / Alstom Transport - Bangalore, India

- Led industrial IT, telecom and security initiatives, including end-to-end security system design and implementation.
- Developed IT strategies aligned with business goals and managed budgets, resources and schedules.

Technical Consultant | Aug 2019 - Feb 2022

AARMTECH Pvt. Ltd. - Kannur, Kerala, India

- Provided technical consultancy, design and project evaluation for security, telecom and IT solutions.

Project Manager / Design Manager | Dec 2018 - Jul 2019

Falcon Eye Technology LLC - Abu Dhabi, UAE

- Managed security system design and implementation, coordinating clients and design teams to meet requirements and schedules.

Project Manager | Aug 2015 - Nov 2018

Atlas Dynamic (Atlas Group) - Abu Dhabi, UAE

- Managed telecom and security projects from design through implementation and coordinated timely client delivery.

Project Engineer | Jun 2008 - Aug 2015

SecureTech LLC - Abu Dhabi, UAE

- Led CCTV, access control and telecom system delivery teams, ensuring technical accuracy and efficient execution.

RF Survey Engineer | May 2007 - Nov 2007

Bharti Airtel - Kannur, Kerala, India

- Conducted RF surveys, transmission network design and site evaluations for telecom infrastructure.

SELECTED PROJECTS

CENTRAL ARABIA DEVELOPMENT PROGRAM | SAUDI ARAMCO | RIYADH

Lead Design Engineer - Telecommunication | HCIS Class 2 Facility

- Directed HCIS Stage 3 and Stage 4 design by the security contractor and consultant, closing the 30%, 60%, 90% and IFC milestones on schedule.
- Oversaw multidisciplinary telecom design covering MIDS, IDAS, perimeter fencing, AVB, VASS, LRDAS, SACS, PACS, turnstiles, X-ray screening, barriers, blockers, hotline, emergency siren, PAGA, process CCTV and outdoor Wi-Fi.
- Led network and connectivity design for switches, firewalls, PE routers, IP telephony and approximately 60 km of fiber-optic connectivity.
- Secured timely Saudi Aramco submission and approval of the SAIS-03 package before the planned completion date.
- Directed change orders for Security and Telecom valued at more than SAR 50 million, coordinating technical scope, design impact and stakeholder alignment.

AL FADHILI PIPELINE - PACKAGES 4 & 6 | SAUDI ARAMCO

- Led telecom design reviews with the engineering contractor through 30%, 60%, 90% and IFC stages.
- Reviewed HCIS Stage 3 and Stage 4 packages with the security contractor and consultant.

NC1 & NC2 CCTV AND ACS OPTIMIZATION | NEOM

- Designed and implemented CCTV, access control, turnstiles and SD-WAN solutions.

INDUSTRIAL IT DEMAND MANAGEMENT (BAU) | ALSTOM TRANSPORT

- Managed global telecom and IT demand, with emphasis on cybersecurity and network solutions.

VIDEO SURVEILLANCE SYSTEM | INDIAN RAILWAYS

- Implemented CCTV systems across 100 railway stations to strengthen centralized security and monitoring.

LANDMARK, GOVERNMENT & CLASSIFIED SECURITY PROJECTS | UAE

- Delivered security design and project support for Fujairah International Airport and Seaport, Abu Dhabi International Airport and Emirates Palace Hotel.
- Designed a large-scale surveillance solution comprising approximately 3,000 cameras for Sheikh Khalifa Medical City (SKMC), Abu Dhabi.
- Supported multiple security projects for the UAE Armed Forces, UAE Ministry of Interior, Abu Dhabi Police and Ministry of Foreign Affairs, including several classified assignments.

EDUCATION

M.Tech, Signal Processing and Communication Engineering - APJ Abdul Kalam Technological University, Kerala | 2021

Executive MBA, Project Management and Information Technology - National Institute of Business Management, Chennai | 2015

B.Tech, Electronics and Communication Engineering - Cochin University of Science and Technology | 2007

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Cisco Certified Network Associate (CCNA), 2011; Cisco Certified Network Professional (CCNP), 2011
- Bosch IP CCTV Certification, 2010; PCSC Linc Plus Certification, 2010; Geotech Certification, 2013; Milestone VMS Training
- PMI ID 2396027 - PMBOK Editions 4, 5, 6, 7 and 8 trained; ASIS ID 18591256 - ASIS PSP trained

TOOLS & PLATFORMS

AI: ChatGPT, Claude and Gemini

Engineering & IT: AutoCAD, Microsoft Office, MATLAB, Visual Basic, SQL, Windows and Linux

LANGUAGES & DRIVING LICENCE

English | Malayalam | Hindi | Arabic • Saudi Arabia light vehicle driving licence

SELECTED CLIENT EXPERIENCE

أرامكو السعودية
saudi aramco

ALSTOM

نيوم NEOM