

Key Expertise Profiles

Hussam Kassab (Engineering Manager)

BSc. Civil Engineering, Project Management Professional - PMP® , NFPA - CFPS

Over (30) years engineering, design, consultancy, engineering support and management experience. Extensive experience in multi-discipline technical environment related to Oil & Gas and Infrastructures, (Petrochemicals, Desalination, Bridges / Causeways, Railways, Terminals, Ports & Berths and Marine Structures). Proven experience in design concepts development, master planning, detailed engineering, statutory reviews and approvals and environmental issues. Main systems/equipment sizing and logistics considerations. Preparation of technical studies, engineering design, concepts developments, front-end engineering and RFP's preparations for PPP transactions as technical advisor and major EPC projects.



Bern Minada (Senior Architect & Master Planner)

BSc. Architecture, Member, United Architects of the Philippines

Over (30) years engineering and design on wide range of master planning and architectural projects. Enhancing the technical aspects for standard and LEED requirements. Planning, programming and design of functional and aesthetics for Urban Developments and buildings with various groups of occupancies including Industrial Buildings, Houses, Dwellings, Offices, Hotels, Hospitals, Medium Rise and High Rise Buildings.

Cezar Pagharion (Senior Electrical Engineer)

BSc. Electrical Engineering, Western Institute of Technology

Over (34) years diverse electrical design and engineering experience relating to petrochemical, gas and oil refining, high-rise buildings and offices associated with electrical design and supervision. Expertise covers design of 230Kv, 115kV & 69kV, switchyard and substations, overhead transmission and 13.8kV distribution line, electrical power distribution system, power system protection, technical load evaluation, equipment sizing. Power System Analysis using ETAP PowerStation Software. Relay and Circuit breaker protection coordination study using Power Plot software. Conceptual (FEED) and Detailed Designs, technical specifications with thorough involvement in SAUDI ARAMCO and other SABIC projects.



Mario Castrillo (Senior Instrumentation & Low Current Systems Engineer)

BSc. Electrical Engineering - Electronics Major

Over (28) years accumulated engineering & designing of Instrumentation and control for Oil and Gas Refinery, Petrochemical Plants, Downstream/Upstream Pipeline and Water Desalination Plants. Instrumentation control and monitoring for Distributed Control System (DCS), Emergency Shutdown System (ESD), Vibration Monitoring System (VMS), Boiler Management System (BMS), Programmable Logic Controller (PLC), Compressor Control System (CCS), Fire and Gas System (FGS), Remote Terminal Unit (RTU), Radar Tank Gauging System (RTG), Power Monitoring System (PMS), Flow Metering System (FMS) and others.

Jose Togada (Senior Mechanical Engineer)

BSc. Mechanical Engineering

Over (20) years of combined experience in design, engineering, construction (management, execution, quality, design familiarization and related engineering standards) for Desalination Plants, Piping Works in oil and gas environment, Operation and Maintenance of steam generators with its auxiliaries and other industrial equipment and machineries for a sugar manufacturing plant and District Cooling Facilities.





Ghadah Kassab (Traffic Modelling & Logistics Planner)

MSc. Transport Engineering and Planning – UWE, Bristol, UK , BSc. International Logistics

Experience in traffic planning and analysis of logistics and transport requirements for logistics hubs and urban and industrial developments including supply chain resources, analysis of linear & high-volume materials construction projects and design of transportation infrastructures, traffic management systems and enhancements of operational efficiencies. Capabilities in traffic simulation and modelling using PTV-VISSIM and worked on several major transport and traffic infrastructure-based projects.



Mustafa Hussain (Principal Structural Engineer)

BSc. Civil Engineering

Over (10) years experience in structural engineering design and modelling using SAP-2000, ETABS, SAFE and others. Static and dynamic analysis of railway and highway bridges, industrial facilities, buildings, deep foundations, pipe and box culverts, water retaining structures and high-rise buildings. Preparation of detailed design drawings, shop drawings, BOQs and projects specifications. Participated in wide range of projects in Saudi Arabia, Turkey and other locations in the middle east. Experience in modelling and detailing in BIM.

Reem Hayder (Process Engineer)

MSc. Chemical Engineering – BSc. Chemical Engineering

Experience in preparation of key process deliverables including P&IDs, PFDs and piping main arrangements. Design and engineering of Water Treatment systems, Oil & Gas facilities, utilities systems ...etc.... Coordination with Piping/Mechanical, Instrumentation and Electrical design teams. Knowledge of preparations of project's documents, BOQs and specifications.



Glaiza Espinoza (Design Specialist)

BSc. Information System

Design Assistant for master planning, marine & general engineering projects. Working with design team and principal engineers for development and detailing of project's deliverables including 2D & 3D rendering and generation of various views, conceptual design and detailing and setting up drawings drafting systems and controls. Experience in adjustments and production of CAD drawings for changes and modifications.

Mousa Hussain (Hydraulics Engineer)

BSc. Mechanical Engineering - PMD Certification, BBR Certification

Experience in modelling and detailing experience in design and engineering of mechanical utilities systems, coordination with Structural, Architectural, Electrical and Low Current Systems installations. 3D Modelling with BIM with Navisworks for routing and clash detections. Hydraulics modelling and sizing of water networks including irrigation systems, potable water systems, firewater systems and gravity drainage systems.

