Curriculum vitae

Irfan Imran
Mobile phone : +62.859.3143-3431
Email address : irfanimran70@yahoo.com



Proposed position

Lead/Senior Civil/ Structural Engineer

Present position

Senior Civil Engineer

Personal data

Last name	Imran
First name	Irfan
Year of birth	1970
Nationality	Indonesian

Education

1997	Parahyangan University, Bandung, Indonesia Civil Engineering

Key qualifications

- Feasibility Study, FEED, Detail Design Engineering, Construction Support.
- International Codes & Standards such as EUROCODE, ASCE, ACI, UBC/ IBC, BS, AWS, Australian Standard, ASTM, API, AASHTO, SNI.
- Familiar with Specification from Shell DEPs, Qatar Gas, Qatar Petroleum, QCS, QAFCO, QAFAC.
- Software Proficiency such as Staad-Pro, SAP 2000, ETABS 2000, SAFE 2000, Navis Foundation, Risa Foundation
- Registered in Qatar with MMUP/UPDA, No. 21816 with Grade: A.

Professional experience

Jul 2022 – Oct 2023 **Samsung C & T - Qatar**

Senior Civil Engineer

North Field Expansion (NFE) Qatar Gas EPC-2

- Reviewing the Calculations, Drawings for Pipe Sleeper foundation, Equipment Static foundation, Equipment Dynamic foundation, Transformer foundation, Vessel foundation, Drainage system, UG Composite, Road crossing culvert, Ramp and Retaining Wall structure and foundation, Road and Paving, Specification, Design basis, Geotechnical Investigation Report, Topography Report, 3D model for Civil.
- Reviewing, Updating and Controlling the Master Deliverable Register for Civil.
- Preparing and Reviewing Material Take Off.
- Reviewing Shop drawing
- Construction Support such as reviewing Calculation for lifting, temporary support, TQ.

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Sep 2021 – May 2022 **Worley - Qatar**

Senior Civil/ Structural Engineer

North Field Expansion (NFE) Qatar Gas EPC-2

- Reviewing the Calculations, Drawings for Pipe Sleeper foundation, Pipe Bridge structure and foundation, Piperack structure and foundation, Cable Bridge structure and foundation, Platform structure and foundation, Equipment Static foundation, Equipment Dynamic foundation, Transformer foundation, Vessel foundation, Shelter structure and foundation, Drainage system, UG Composite, Buildings, Road crossing culvert, Ramp and Retaining Wall structure and foundation, Road and Paving, Specification, Design basis, Geotechnical Investigation Report, Topography Report, 3D model for Civil and Structural.
- Reviewing, Updating and Controlling the Master Deliverable Register for Civil, Structural and Architectural.
- Reviewing Material Take Off.

Aug 2018 – Jan 2021 **Tebodin Middle East Ltd. – Qatar**

Lead Civil/ Structural Engineer

EPIC for Upgrade of Fire Water System at KNDS and Modification to Piping Supports at Dukhan Station

- Preparing the Calculations for
  Sleeper foundation, Pipe Support Structural and foundation, Deluge Skid and Hose Box Foundation, Fire Hydrant and Monitor Foundation, Valve Chamber, Soakaway Pit.
  Checking Drawings related with Foundation layouts (KNDS, JMDS, FHSP, FMDS, KMDS Station), Structural and Foundation details (Sleeper foundation, Pipe Support Structural and foundation, Deluge Skid and Hose Box Foundation, Fire Hydrant and Monitor Foundation, Valve Chamber, Soakaway Pit).
- Checking MTOs for Civil and Structural scopes.
- Preparing Design Basis Civil and Structural
- Preparing Specification for Concrete Work
- Preparing Specification for Steel Work
- Preparing Specification for Earth Work
- Preparing the Civil and Structural scopes for Design Basis Memorandum
- Reviewing Vendor Document
- Reviewing Material Approval Requisition (MAR)

QP Refinery, Mesaieed EPIC for MTBE Tanks and Pipeline Between QAFAC and QP Refinery

- Preparing the Calculations for
  Culvert, Duct Bank, Tank Foundation, Close Drain Drum Foundation, Pipe Bridge Structural and Foundation, Sleeper foundation, Pipe Support Structural and foundation, Platform Structural and foundation, Crossover Structural and foundation, Blending and Transfer Pump Foundation, Shelter Structural and Foundation and Drainage System.
- Preparing the Adequacy Check for

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Existing Culvert, Pipe Bridge Structural and Foundation, Existing Sleeper foundation, Existing Pipe Support Structural and foundation.

- Checking Drawings related with Foundation layouts (Foundation Layout in QP, MIC and QAFAC area), Underground drawings (Culvert, Duct Bank, Drainage System), Structural and Foundation details (Tank Foundation, Close Drain Drum Foundation, Transfer Pump Foundation, etc.
- Checking MTOs for Civil and Structural scopes.
- Preparing the Civil and Structural scopes for Design Basis Memorandum

FEED Study for replacement of obsolete CO2 Fire Suppression System in QG1
Role and Responsibilities

- Adequacy Check the existing PU Platform, PR Platform, LQ Platform and WH3 Platform due to additional load from new equipment.
- Preparing the Civil scopes for Design Basis Memorandum

Qatar Petroleum- Assessment Study for Cathodic Protection at RLIC

- Reviewing the Concrete Site Survey Report
- Reviewing the Existing Concrete Structure Study Report
- Reviewing the Laboratory Test Report
- Reviewing the Study Report on Concrete Deterioration & Recommendations/ Solution
- Reviewing the Service Life Expectancy Report for Concrete Structure

Nov 2016 – July 2018 **Inti Karya Persada Teknik (Toyo Group Engineering)**
Lead Civil/ Structural Engineer
Mass Rapid Transit Jakarta – MRT Jakarta

- Method Statement for Overhead Contact System Materials Installation in Underground, Depot and Elevated.
- Method Statement for Escalator and Elevator Materials Installation in Underground, Depot and Elevated.
- Responsible for the analysis, design and checking for Electrical/ Telecom Equipment Supporting and checking the electrical equipment supporting/structural.

Feasibility Study Project, Humpuss Pengolahan Minyak

- Responsible for preparing client documents review, Basic of Work Volume/ MTO, Manning Plan, Deliverables list, Design Concept for Equipment foundation, Equipment Support structure and foundation, Pipe rack, Pipe bridge, Pipe support structure and foundation, Cable Tray support and foundation, Electrical Foundation, Instrument Foundation, Buildings and Shelter, Infrastructure (road, drainage, fence), UG facilities (Culvert, Duct Bank, Fire Water Piping UG, Sewer, Cable trench Direct Burried), preparing Study Report for civil and structural scopes, reviewing Plot Plan drawing and preparing MTO.

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April 2013 – May 2016 **CHIYODA ALMANA ENGINEERING LLC, Doha – Qatar**

Lead Senior Civil/Structural Engineer

39-F002 Incinerator Shell Deformation Rectification (PRE-FEED), RasGas Company Limited

- Responsible for the analysis and design of Finite Element for Incinerator Shell and Temporary Support, Checking and Reviewing the drawings and prepare MTO.

Technical Service Vibration Program (EPC), QatarGas Operating Company Limited

- Responsible for the analysis/ the adequacy check for the proposed steel pipe support to mitigate vibration anomalies of 42" existing pipeline, checking and reviewing the drawings and prepare MTO.

GTL HE REPAIR (EPC), Qatar Shell GTL Limited

- Responsible for the analysis and design temporary support for existing equipment, Checking and reviewing the drawings and prepare MTO.

SRU Capacity Enhancement (EPC), RasGas Company Limited

- Responsible for the analysis and design of Pipe rack Structure and Foundation, Blower Foundation, Instrument/ Electrical Foundation, Underground Direct Buried Cable Trenches, Paving Plan, Checking and Reviewing the drawings and prepare MTO.

UNIT - 53 Regeneration Gas Heater(53-E002) Permanent Mitigation (EPC), RasGas Company Limited

- Responsible for the review the analysis and design of Casing Structure Calculation for 53-E002, checking and reviewing the drawings.

Security Upgrade Project, Phase-2 (PRE-FEED), RasGas Company Limited

- Responsible for preliminary analysis of Electrical/Telecom Foundations, Underground Direct Buried Cable Trenches & Duct Bank.
- Checking and reviewing the drawings and prepare MTO.

Flow Assurance Project (FAP)(EPC), RasGas Company Limited

- Responsible for the review of Berth 25 Tanker Vessel Mooring Analysis, analysis and design of bollard installation in Berth-25, Checking and Review drawings, prepare MTO and construction support (review for Technical).
- Responsible for preparing the Culvert calculations and checking the drawings.
- Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

Installation of New Moisture Analyzers at Unit-95 Air Dryer 95-Y051 A/B/C(Engineering), RasGas Company Limited

- Responsible for the design and analysis of Electrical Foundations, Underground Direct Buried Cable Trenches, Checking and reviewing the drawings and prepare MTO.

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Install Additional BOG Compressor at Lot-H(FEED), RasGas Company Limited

- Responsible on the estimate of BOG Compressor Building, Pipe rack Structure and Foundation and Equipment Foundation, Underground Direct Buried Cable Trenches, Culver, Duct Bank, Direct Burried and prepare MTO.

HP MP LP Steam System Piping (EPC), RasGas Company Limited

- Responsible for the analysis and design of Piperack Structure and Foundation, Checking and review drawings, prepare MTO and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

HFO Bunkering Project (FEED), RasGas Company Limited

- Responsible for the design and analysis Pipe Support and Foundation, Equipment foundations, Underground Direct Buried Cable trench, Pipe rack Structure and Foundation, Checking and Reviewing the drawings and prepare MTO

Enhanced Continuous Emission Monitoring System (CEMS) (EPC), RasGas Company Limited

- Responsible for the analysis and design of Instrument foundation, Underground New Concrete Cable trench, Underground Direct Buried Cable trench, Culver, Duct Bank and reviewing the drawings, preparing MTO and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

Upgrading Velocity of Approach System in Berth 2 (EPC), RasGas Company Limited

- Responsible to check the adequacy of the existing structure due to the upgrade capacity of Quick Release Hook from 100 Ton to 125 ton, Underground Direct Buried Cable trench.
- Checking and review drawings, prepare MTO and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

LNG Berth 2 Upgrade Project (FEED), RasGas Company Limited

- Responsible to review the analysis of dynamic mooring analysis, fender, breasting dolphin, mooring dolphin due to upgrade cap. of vessel from 135,000 m3 to 217,000 m3.
- Checking and review drawings and prepare MTO.

Jan 2013 – Apr 2013 **PT KRAKATAU ENGINEERING, Cilegon – Indonesia**
Lead/Senior Civil/ Structural Engineer

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Tarahan Port (EPC) - PT Bukit Asam, Lampung, Indonesia

- The scope included of jetty analysis with cap. 150.000 DWT, mooring analysis, DMA, piling analysis, choose type of fender and hook and also checking drawing, prepare MTO and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings

May 2008 – Dec 2012 **PT KBR INDONESIA**

Lead/Senior Civil/ Structural Engineer

KBR - E & C – Jazan Refinery and Terminal Project, Saudi Aramco

- The scope included checking drawing and prepare MTO of foundation & steel structures to pipe rack, refinery reactor structure, equipment foundation, marine terminal and underground.

KBR - E & C – Gorgon Project Barrow Island LNG Plant – July 2010
Client: Chevron Pty Ltd Australia

- The scope included analysis and design, checking drawing and documentation of steel structures and foundations to pipe rack, pipe support, electrical support, culvert, duct bank and access platform in accordance with Australian Standard.

KBR - G & I APAC – Geelong bypass signage gantries

- The scope included design and documentation of steel structures and foundations to support traffic signage, in accordance with Australian Standard.

KBR - G & I APAC – Project RGP5 – Client BHP Billiton Iron Ore

- The project was estimated to be 20,000 man hours. The scope of works includes the analysis and design (structure and foundation) workshop with crane capacity 40 ton, in accordance with Australian Standard.

KBR - G & I APAC – Woodside primary school – Client Chappelpty ltd

- Assisted the civil/ structural design team to engineer and document a new building and foundations to serve as a library, at an existing school site in Adelaide.

KBR - G & I APAC – Lampunut Project – Client PT Billiton Indonesia

- The scope comprised new maritime infrastructure ranging from jetty (cap 6.000DWT) analysis, pontoon analysis, mooring dolphins analysis, gangways analysis, piling analysis and choose type of fender and bollard, in accordance with Australian Standard.

May 2002 – May 2008 **PT Krakatau Engineering, Cilegon – Indonesia**

Lead Civil/ Structural Engineer, Structure Engineer

Reconstruction Cement Plant Project (EPC) - Lafarge/ Semen Andalas Indonesia

- Preparation of technical documents for EPC tender and also preparing BOQ, Specification of Construction and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

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Anhui Province, Hefei City, China

- Assisting in training of Chinese engineer's in Indonesian Earthquake design standards

Pipe Line PT PGN (EPC), Indonesia

- Design pipe supports and foundations, pipe bridges.
- Checking and approval of shop drawings, as well as take-off, BOQ, material requisition and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

Building & Facility of Power Plant Cabot (EPC), Indonesia

- Responsible for designing foundation for buildings. The responsibility also included to check and approve drawings, prepare and compile final analysis and design reports, material take off and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

Building & Facility Hospital (4 storey) (EPC) - PT. Krakatau Medika, Indonesia.

- The responsibilities for this project, but not limited to, analysis and design of the structural components including building foundation buildings. Also, included was to check and approved the structural drawings, prepares and compiled final analysis and design reports, material take off and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

Pipeline Project (EPC) - PT Cabot. Cilegon, Banten, Indonesia

- The responsibilities for this project, but not limited to, analysis and design structure and foundation for pipeline bridge and pipeline support. Also, included to check and approved the drawings, prepared and compiled final analysis and design reports, material take off and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

Building for Apartment (EPC), Banten

- The responsibilities for this project, but not limited to, analysis and design of the structural components including building foundation buildings. Also, included was to check and approved the structural drawings, prepares and compiled final analysis and design reports, material take off and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

SSP1 (EPC) - PT. Krakatau Steel, Indonesia

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- The responsibilities for this project, but not limited to, analysis and design of the structural components including building foundation. Also, included was to check and approved the structural drawings, prepares and compiled final analysis and design reports, material take off and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

Additional Substation & Facility (EPC) – PT Peruri, Indonesia

- The responsibilities for this project, but not limited to, analysis and design of the structural components including foundation of the substation & facility. Also, included was to check and approved the structural drawings, prepares and compiled final analysis and design reports, material take off and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

Additional Building and Facility (EPC), Indonesia

- The responsibilities for this project, but not limited to, analysis and design of the structural components including building foundation buildings and facility. Also, included was to check and approved the structural drawings, prepares and compiled final analysis and design reports, material take off and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

Warehouse Building &Facility (EPC), Indonesia

- The responsibilities for this project, but not limited to, analysis and design of the structural components including building foundation buildings and facility. Also, included was to check and approved the structural drawings, prepares and compiled final analysis and design reports, material take off and construction support (review for Technical Query (TQ), Material Approval Request (MAR), Technical Bid Evaluation (TBE), Shop Drawing) and checking As-built drawings.

May 1995 – April 2002 **PT LAPI ITB, Bandung – Indonesia**

Civil/ Structural Engineer

Projects:

- Ogan Bridge (Span 100m) with Truss Frame structure and foundation.
- Investigation and strengthening Jetty with cap. 50.000 DWT, mooring dolphin analysis, piling analysis and choose type of fender and hook.
- Jetty analysis cap. 50.000 DWT, mooring dolphin analysis, dma, piling analysis and choose type of fender and hook.
- Fly Over Tugu Semarang (Span 40m) with concrete structure and foundation
- Rail Bridge with steel structure and foundation
- Dago Plaza (10 Storey) with concrete structure and foundation
- Danayasa Ramp with concrete structure and foundation
- Lee Garden Hotel (6 Storey) with concrete structure and foundation
- Stadium of Football with Steel Space truss structure and foundation

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- Kalianda Bridge steel structure and foundation
- Ribber Dam, KruengPeusangan concrete structure and foundation
- Breasting Dolphin concrete structure and foundation
- Investigation of Rigs Tower
- Otorita Batam Office (5 Storey) concrete structure and foundation
- Marketing Office (2 Storey) concrete structure and foundation
- BatuAmpar Jetty analysis cap. 30.000 DWT mooring dolphin analysis, dma, piling analysis and choose type of fender and hook.
- Tanjung Priok Jetty analysis cap. 50.000 DWT mooring dolphin analysis, piling analysis and choose type of fender and hook.
- Mall Building (3 Storey) concrete structure and foundation.

Responsibilities:

- Responsible for the analysis and design structure and foundation, checking the structure and foundation drawings and preparing material take off and construction support.

Languages

	Speaking	Reading	Writing
English	2	2	2
Bahasa	1	1	1

Scale: *1. mother tongue | 2. good | 3. working knowledge*