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| **Proposed position**  |  |
|  Senior Electrical& Instrumentation Manager |
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| **Present position** |  |
| Senior Electrical & Instrumentation Manager |
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| **Personal data**  |  |
| Last name | Danish  |
| First name | Kirmani |  |
| Year of birth | 6th March 1979 |  |
| Nationality | Pakistan  |  |
|  Mobile  | 00966598259969 |  |
| Email | Danish.kirmani182@gmail.com |  |
| **Education**  |  |
| 2001 | Bachelor’s Degree (Electrical Engineering) |  |
|  | Mehran University of Engineering and Technology |  |
|  | Pakistan |  |
| 2005- 2007  | Diplomat in **Alternative/Renewable Energies** - OCT2005 – Jan 2007 from Bentley Institute Walnut Creek USA.COURSE INCLUDES: **Engineering/Design/Maintenance** of Solar Plants, Wind turbines, Bio Mass, Fluidizing beds, alternative/Synthetic/Hydrogen fuels, Gasification, waste to power, grid integration scheme |  |
| 2006- 2007 | Diplomat in **Field Instrumentation & Control** - JAN2006 –JAN 2007 from Bentley Institute Walnut Creek USACOURSE INCLUDES: Sizing instrumentation for all the process parameters, DCS/PLC, SCADA workflow, integration, designing, defining control philosophies. Safety interlocks, |  |
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| **Key qualifications** |
|  | 20 years of Professional experience in the field of Instrumentation, Control and Industrial Automation with major focus on Honeywell DCS., Fisher RosemountExperienced in design, detail engineering, installation & commissioning and Project Management, PMC Services. Wide exposure to process industries like Oil & Gas, Steel, Cement, Chemical and Petrochemicals, etc.Six Sigma Green Belt Certified |
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| **Main Areas of professional experience** |
|  | Lead Electrical & Instrumentation Engineer :- (20+ years ) : |
|  | * Responsible for ensuring compliance to Client ITB Specifications for all Engineering and Vendor Documentation for all disciplines Viz Civil, Structural, Architecture, Electrical, Mechanical, Instrumentation
* On time release of approved documents to adhere to agreed project schedule
* Co-ordination with PMT departments to meet all technical Project needs
* Supporting Client Project Manager in communication with EPC CONTRACTOR & Quality Audits
* Understanding Customer requirements and establishing long-term sustainable business relationships with them
* Monitoring and Controlling Costs – Manpower Planning and providing Resource Plan / Forecast for Resources
* Managing local or back office teams for different projects
* Mentoring of resources & team building
* Efforts for cost savings to improve the contributions
* Monitoring the work done by team members, adherence to the quality standards / GPM, Execution in time and meeting cost budgets.
* Delivering on commitments
* Estimation support for mid-size & major projects by engaging with Account Managers and Project Managers. Main focus here is:
* To review the solution / System Architecture
* Review the Man Hour estimates for Engineering and Project Management functions.
* Decide on the Model of execution to optimize the costs
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|  | Lead Engineer : (6+ years ) (Petro Canada Project) |
|  | **Bentley Systems at Petro Canada Project****Designation: Project Lead (Project Manager)**Attainments* Project Lead of (Mechanical/Equipment/Electrical) department in an American plant designing company involved in oil and gas, chemical process plants maintenance and designing.
* Involved in plant design queries, 2D drawings, plant life cycle, data acquisition, datasheets, hookups etc.
* Expertise in MicroStation, AutoCAD, Bentley Auto PLANT software series, Plant Space series.
* Involved in all phases of designing form FEED to conceptual to physical design
* Led the team of engineers for the EPC Oil and gas Projects
* Worked on all the Bentley Products
	+ ProjectWise
	+ Auto PLANT
	+ Navigator
	+ Open PLANT
	+ MicroStation
* Designed the piping and Equipment for the Petro Canada utilities including
	+ Piping Components
	+ Material Selection of Piping
	+ Fabrication/Assembly and Erection
	+ Inspection and Testing
	+ Basic Equipment Layout
	+ Selection and Sizing of Pumps, Compressors, Exchangers, Fired Heaters, Tanks, Columns, Cooling Towers, Relief Systems, pipe ways
* Designed projects oil and gas for all the leading EPC companies
* Implementation of SAP Project System and Maintenance Module that includes:
	+ SAP PS Implementation Experience: End-to-end Implementation experience in different domains- Manufacture, Civil and Oil and Gas (Petro Canada).
	+ Good configuration knowledge of PS structures: WBS, Network, Milestones, Cost
	+ Planning, Budgeting, Material Requirement planning, Project quotation, Time sheets, Goods issues, and other project management activities in SAP PS.
	+ Have completed at least two end-to-end implementations.
	+ Experience on complete PS module cycle from project creation to settlement.
	+ Integration knowledge with CO, FI and MM, SD and PP.
	+ Proficient in handling Issues/support functions.
	+ Conducts user requirements gathering, blueprinting and documentation designs.
	+ Follow best practices and SAP functionality in system
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| **Technical Expertise** |  |
|  | DCS  | : | Honeywell TDC 3000, TPS and EPKS, Delta V, Fisher Rosemiunt |
|  | PLC  | : | Honeywell IPC 620, Siemens S7, Allen Bradeley, Rockwell Automation |
|  | Field Instrumentation  | : | Detailed Engineering, Erection and Commissioning Supervision |
|  | Process Domains  | : | Executed projects in various domains viz. Steel, Chemical, Petrochemical , Water Treatment, Terminal Automation |
|  | Hot Cutovers  | : | Engineered and Implemented Hot Cutovers for various projects like LNG Plant, Bulk Plants |
|  | Project Management / Scheduling Software | : | Well conversant with following Project Management/Scheduling Packages a) Primavera b) Microsoft Project-2003 |
|  | FEED  | : | Petro Canada Proejct |
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| **Professional experience** |
| **September 2020 – Till Date** **Construction Manager (Infrastructure/MEP/Utilities )****KingSalman International Complex for Maritime Industries and Servives****JV – Saudi Aramco/Power China( SinoHydro5&SEPECO)***King Salman Maritime Project is 4.5 Billion USD project the biggest in GCC that includes Maintenance/OverHauling/ Onshore/offshore ship biding services and Utilities Packages* Attainments* Managing all the construction activities according to schedules, manpower, subcontracts , budgets
* Co-ordinating with Design Team (Jacobs) to resolve the Design issues, and streamlining the progress
* Leading all the Construction activities including Construction Plans, Ressources, Procurements and progress charts
* Reviewing different approaches to limit the construction/MEP/ budgets of the projects to meet the "Fit for purpose” and right sizing philosophy streamline the cost compliance of all Building Codes.
* Development of Infrastuctures including Roads, Railway networks, Transportation Access.
* Development of Utilities Setup including Boilers, HVAC , Chillers, Water and Sewage Networks, Positive Air Circulations, Power, Telecom , Fire Sprinklers, Headers , Fireprotection Networks includes designing, sizing and material selection with complete installation and commissioning.
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| **Oct2018- Till Present** |  **Bismarck State College Innovation Foundations KSA LLC, North Dakota USA****Project Solar and Wind turbines project for Saudi Aramco** |
|  | **Capital Projects Manager (Electrical/Mechanical/MEP, Infrastructure)** |
|  | **Project Solar and Wind turbines project for Saudi Aramco** |
|  | Responsibilities: |
|  | * Developing Renewable Energy (Solar and Wind turbines Project for Saudi Aramco funded 20 Million USD project
* Visiting international markets USA, for developing sustainability projects for KSA
* Project Management through CAPEX workflow. (including RFI/RDQ/Technical evaluations, installation. Commissioning, handover Energy conservation management in Capital projects for brownfield and green field projects, reviewing different approaches to limit the construction/MEP/ budgets of the projects to meet the "Fit for purpose” and right sizing philosophy streamline the cost compliance of all Building Codes.
* Development of Utilities Setup including Boilers, HVAC , Chillers, Water and Sewage Networks, Positive Air Circulations, Power, Telecom , Fire Sprinklers, Headers , Fireprotection Networks includes designing, sizing and material selection with complete installation and commissioning.
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| **March 2014 – October 2018** | **Almarai Company, KSA***Almarai Company is the world’s largest vertically integrated dairy company and the region’s largest food and beverage manufacturing and distribution company. Headquartered in the Kingdom of Saudi Arabia, Almarai Company is ranked as the number one FMCG Brand in the MENA region and is market leader in all its categories across the GCC.* |
|  | **Capital Projects Manager** |
|  | **Flash Project : Almarai 1.2 Million Litres Diesel Fuel Station (5)– Complete Designing Engineering, Procurement and Commissioning as a Project Manager :** <https://www.linkedin.com/posts/almarai_almarai-and-samnan-celebrate-the-completion-activity-6379970341204168704-Gjz8/>The project details as electronic fuel station, which is the first of its kind in the Kingdom, consists of two strategic fuel storage units with a capacity of 1.2 million liters per tank installed and manufactured on site according to European regulations and designs, and fuel pumps of the leading (Tokheim) French brand. This field is considered as the exclusive agent for it in the Kingdom, as it is considered the first station in the Kingdom that operates with a flow of 200 liters / minute to supply the Almarai trucks with fuel as quickly as possible. Tokheim production, in addition to having high-precision automatic inventory control systems to control and control the amount of fuel in the tanks and control of fuel pumps from strategic tanks to supply tanks automatically, with a complete station monitoring system. As this integrated system contributes to raising the efficiency of the transportation fleet of Almarai Company in a very big way, in addition to complete electronic control and facilitating and reducing the time of dispensing |
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|  | Responsibilities: |
|  | * Infrastructure Development projects for the Capital project budget 1000 million Saudi Riyals including accommodation buildings Fuel stations, Captive Generation power houses, Project Management through CAPEX workflow.(including RFI/RDQ/Technical evaluations, installation. Commissioning, handover Energy conservation management in Capital projects for brownfield and green field projects, reviewing different approaches to limit the construction/MEP/ budgets of the projects to meet the "Fit for purpose” and right sizing philosophy streamline the cost.
* Development of Complete Utilities Set up including 5.6MW HVAC setup, Compressors, Water and Sewage Networks, Boilers, Chiller, Cooling Towers, Power Infrastructure including sizing, and material selection.
* Development of 600 Million SAR Residential Colonies for Almarai including all the infrastructure of Civil, MEP and Utilities Network and IT infrastrure,
* Implementation of “Almarai Project Approach” APS with End to End Implementation of SAP Project System module with HANA04 inline Database implementation that includes
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| **February 2014 to March 2014 (contract)** | **Bukhari Oil and Gas - Pakistan***Provides LPG for homes and businesses throughout the Pakistan. Their LPG bulk tanks provide Liquefied Petroleum Gas (LPG: propane, butane and mixes of the two).* |
|  | **Project & Design Manager (Electrical /Mechanical/Infrastructure)** |
|  | Responsibilities: |
|  | 1. Designed, Constructed, Fabricated, Project Management, piping work of two 400 Tons Capacity LPG Storage Plants, Tank Farm Area
2. Compliance of B31.4 ASME NFPA 58 Compliance plants
3. FEED Engineering, Piping, Electrical, Instrumentation, Power installations
4. Detailed Engineering
5. Conceptual Design
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| **August 2013 to November 2013**  | **SKB Engineering and Construction, Lahore- Pakistan** |
|  | **Project & Design Manager (Electrical /Mechanical/Infrastructure)** |
|  | Responsibilities: |
|  | * Designed Hydraulic Gates for Head Baluki Projects (Hydro Electric Project at Lahore)
* Hydraulic Calculations
* Detailed Engineering
* Conceptual Design
* Fabricated Spill ways
* Installation and Commissioning
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| **May 2012- July 2013** | **Coronet Foods****Biscuit manufacturers, Pakistan** |
|  | **Head of Projects’ , Engineering and Utilities (Electrical/Mechanical/Infrastructure/MEP)** |
|  | Responsibilities: |
|  | * Leader of Reliability Centred Maintenance, HACCP, HAZOPS, Six Sigma, World Class Manufacturing, TPM in the Groups for various Factories
* Installed first time in the history of Pakistan 1.5x80 Meters biscuit line within the time frames
* Installed first time in the history of Pakistan, the SNG systems and reduce the cost of operations to 50%
* Installed full lines on industrial UPS and cut down the downtime and production losses to 40%
* Installed two absorption chillers with the capacity of 1000TR at very targeted time with full HVAC control system
* Infrastructure development of factory expansion including all MEP works in 13 months only.
* Leader of Reliability Centred Maintenance, HACCP, HAZOPS, Six Sigma, World Class Manufacturing, TPM in the Groups for various Factories
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| **April 2011 to April 2012** | **Colgate – Palmolive Pakistan** |
|  | **Head of Projects’ , Engineering and Utilities (Electrical/Mechanical/Infrastructure/MEP)** |
|  | Responsibilities: |
|  | * Managed all projects maintenance and engineering utilities discipline in the factory
* Installed first time in the history of Pakistan Solar 500KW power plant
* Installed all the machines histories, BOQ inventory in the ERP systems of factory with all the work histories log and work procedures available and can be easily accessed through SAP.
* Sunder State Factory – infrastructure development from scratch, including utilities, boilers, HVAC, Jupiter project MAX Bar – infrastructure development from scratch, development of all MEP activities.
* Leader of Reliability Centred Maintenance, HACCP, HAZOPS, Six Sigma, World Class Manufacturing, TPM in the Groups for various Factories
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| **October 2005- Jan2011** | **Bentley Systems at Petro Canada Project** |
|  | **Project Lead (Project Manager)** |
|  | Responsibilities: |
|  | * Project Lead of (Electrical/Mechanical/Equipment) department in an American plant designing company involved in oil and gas, chemical process plants maintenance and designing.
* Involved in plant design queries, 2D drawings, plant life cycle, data acquisition, datasheets, hookups etc.
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	+ Navigator
	+ Open PLANT
	+ MicroStation
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	+ Inspection and Testing
	+ Basic Equipment Layout
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	+ Conducts user requirements gathering, blueprinting and documentation designs.
	+ Follow best practices and SAP functionality in system
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| **Jan2005- October 2005** | **Aquatec Water Treatment, Inc. Karachi** A company concerned with the designing and installation of water treatment and wastewater treatment plants first time for industrial usage at Pakistan |
|  | **Manager Design and Projects** |
|  | Responsibilities |
|  | * Designing and installation of water treatment and waste water treatment plants first time for industrial usage at Pakistan
* Pumps selection, installation, detailed Engineering water purification industrial projects
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| **Jan2003- Jan2005** | **Astropack Ismail Industries - Pakistan****Project Cast Poly Propylene Extrusion Plant** |
|  | Manager Engineering |
|  | Responsibilities |
|  | * Manager at Cast Poly Propylene extrusion plant with Italian technology GRUPPO COLINES
* Studying Polyolefin rheology
* Plastic films Making, their types, Properties of films, their physical chemical properties
* Extrusion Techniques
* Production of CCP PLASTIC FILMS etc.
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| **Jan2001-Jan2003** | **Plant Engineer (IBRAHIM FIBERS INDUSTRY) - Pakistan****Walcot Zimmer Polyester Plant** |
|  | Plant Engineer |
|  | Responsibilities |
|  | * Plant Maintenance
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| **Other Trainings** |  |
|  | * Project Management SAP Project System Modules
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| **Special Achievements** |  |
|  | **Award** | **Project** |
|  | Best Employee Award 2007 | Best Employee of Bentley Systems 2007 |
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| **Behavioural Strengths** |  |
|  | * Hard working
* punctual & Sincere
* Willingness to learn new things
* Effective communicator
* Work in teams
* Willingness to help others
* Leadership skills
* Follow code of conduct & ethics
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| **Languages** |
|  | Speaking | Reading | Writing |
| **English** | 2 | 2 | 2 |
|  |  |  |  |
|  |  |  |  |
| ***Scale:*** *1. mother tongue | 2. good | 3. working knowledge* |
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