

MUKHTIAR ALI

Date of Birth 08 August 1986
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Certification CP Level-III (Cert. # 55865)



OBJECTIVE

My aim is to serve the organization with my full devotion and utmost efforts and to provide benefits as a responsible engineer, while grooming my professional and innovative skills.

ACADEMIC EDUCATION

Year	Degree	Institution
2008	Master of Petroleum	University Of Karachi
2005	Bachelor of Science	University Of Karachi

WORK EXPERIENCE

I have more than **09 years** of experience in the field of Corrosion Prevention as a **Cathodic Protection Engineer**.

ADNOC / ABSG (Jan. 2017 to Present)

Part of Integrated Project Management Team (IPMT) as a Sr. QC (CP Engineer) for ZADCO UZ750 Island Surface Facilities Project & Brownfield Activities.

Inspection and approval / rejection of Cathodic Protection Installations of the following equipment and structures;

- Sea Water Intake (Concrete ICCP)
- Storm Water Basin (Concrete ICCP)
- GTG Foundations (Concrete ICCP)
- Close Drain Pit (Concrete ICCP)
- Pile Caps (Concrete ICCP)
- Well casing (ICCP)
- Piping (Both SACP & ICCP)
- Vessels, Tanks (SACP)
- Pile Reinforcement (ICCP)
- Offshore Pipelines (SACP)
- Jetty Piles (SACP)

Main Responsibilities include:

- Quality Control
- CP Inspection Acceptance / Rejection
- Quality Reports

- Technical Documents Review / Comment / Approval
- Quality Assessment
- Quality Tool Box talks
- Quality Walk through for Installation, Preservation etc.
- Quality Meetings
- Raising Quality Observation Card
- Raising Formal Observation.
- Raising Corrective Action Report – CAR.
- Raising Non-Conformance Report – NCR
- Commissioning

Corrpro Companies Inc. (Oct. 2013 to Jan. 2017)

I had performed my duties as a Cathodic Protection Engineer. Responsible for CP system design, conducting various field activities related to the installation of cathodic protection equipment, commissioning, troubleshooting and monitoring of existing CP systems.

Projects include CP Design are;

- SACP system Design for SADARA Pipelines inside SADARA Facility, contracted by AYTb, located in Jubail, KSA.
- Internal SACP Design of two raw water/Fire water tanks 6.5 meters diameter each, for Abdur Rehman Al-bader Construction Co. located in Abqaiq, KSA.
- Internal SACP Design of two water tanks 10 meters diameter each for Technicas Reunidas, located in Jazan, KSA.
- Internal SACP design of two Vessels 6 meters diameter having length 23 meters each for Technicas Reunidas, located in Jazan, KSA.
- Temporary SACP system design for 3 cross-country pipelines 24", 8", 8" diameter each with a cumulative length of 140 kilometres, contracted by Al-Rashid Construction, for SWCC, located in Riyadh, KSA.
- Internal ICCP Design of two Water Tank 53 meters diameter each for SOTEG, located in Alhasa, KSA.
- ICCP system design of gas well casings for SNC-L, ARAMCO.
- ICCP system design for cooling tower concrete structure for GAS, located in Jubail, KSA
- CP System design for Firewater plant piping, Crude oil piping, Offshore sheet piles for firewater pumping station, Abutment piles and Berth piles , for ENPPI, at ARAMCO South Terminal for Crude Oil Storage, located in Yanbu, KSA

Projects include Supervision, Troubleshooting, Per-Commissioning & Commissioning are;

- Installation Supervision, QA/QC inspection, troubleshooting & commissioning of ICCP & SCP system installation for SAMREF Facility pipelines on Clean Fuel Project located in Yanbu, Saudi Arabia.
- Supervision of ICCP concrete system installation of cooling towers for Technicas Reunidas ABS Petrokemya project located in Jubail, KSA.
- ICCP system pre-commissioning of 15 Tanks bottoms for SABIC on Saudi Kayan Extension Project located in Jubail, KSA.
- Troubleshooting , pre-commissioning and commissioning of 26 concrete ICCP structures, SACP of plant piping and an ICCP of 23 meters dia. tank external of Ibn Rushd Plant
- Commissioning of ICCP system for 04 AST Tanks external, Firewater piping, and Drain water piping for Wison Engineering in YANPET.
- ICCP system Installation supervision of 2 x 73 meter diameter Kerosene & Diesel storage AST tank for Arabain Fal Holdings ARAMCO Refinery Jeddah.
- Installation supervision of PIV's and concrete CP structures for Technicas Reunidas SEP Kemya Project, Jubail.
- Pre-commissioning of two AST tanks external of CB&I for SASREF in Jubail, KSA.

- Commissioning of 8” Dia. BTX Pipeline from Saudi Kayan to Petrokemya, Jubail industrial area.
- Installation supervision and troubleshooting SADARA Pipelines, contracted by AYTb, located in Jubail Industrial area, KSA.
- Installation Supervision of 6 AST tanks external bottom each having diameter of 45 meters approximately, of Saudi Electricity Company for Hyundai Heavy Industries in Shuqaiq, KSA.
- Pre-Commissioning of ICCP of 14 AST tank bottom external of various diameter and pre-commissioning of concrete ICCP of cooling tower of Technicas Reuindas ABS Petrokemya project in Jubail, KSA.
- ICCP system Installation Supervision of 2 AST tanks external of Ministry of Water & Electricity for SOTEG in Abha, KSA.
- ICCP system Installation Supervision of 2 AST tanks external bottom having dia. approximately 96 meters each, of Saudi Electricity Company for Hyundai Heavy Industries in Shuqaiq, KSA.
- Troubleshooting & Commissioning of dual Pipelines having 52” Diameters and of 122 Kilometres length each, contracted by Dodsai, for GASCO Abu Dhabi
- Quarterly monitoring of ICCP system for 04 Tanks external & 02 Pipelines for Wison Engineering in YANPET.
- Quarterly monitoring of ICCP system for 26 concrete CP structures, SACP of plant piping & ICCP of a 23 meters dia. tank eternal of Ibn Rushd Plant, located in Yanbu, KSA.
- CP system pre-design survey for 3 cross-country pipelines 24”, 8”,8” diameter each with a cumulative length of 140 kilometres, contracted by Al-Rashid Construction, for SWCC, located in Riyadh, KSA.
- Troubleshooting, pre-commissioning and commissioning of ICCP system for fire water and cooling water plant piping, contracted by Fluor for SADARA, located in Jubail, KSA
- Troubleshooting of ICCP system of 5 underground fuel storage tanks of Qatar Airbase for NOVA, located in Qatar.
- Pre-Commissioning & Commissioning of 2 Tanks Internal SACP system for SASREF located in Yanbu, KSA.
- Troubleshooting of ICCP system of 4 underground fuel storage tanks of Riyadh airbase for Al-Majd International, located in Riyadh, KSA.
- Pre-Commissioning and Commissioning of ICCP system of 2 Tanks External bottom plates for Arabian Fal, ARAMCO, located in Duba, KSA.
- Site survey for CP system pre-design containing Tanks internal & external, Plant piping, cross-country pipelines Intake water basins, and associated facilities for Timna, SWCC, located in Jubail, KSA.
- Site survey for CP system pre-design containing, Plant piping, Offshore sheet piles for firewater pumping station, Abutment piles & Berth piles, for ENPPI, at ARAMCO South Terminal for Crude Oil Storage, located in Yanbu, KSA.
- Site survey for CP system pre-design containing, Plant piping, AST and cross country Pipelines for MCRA, Dammam Airport, KSA.

SGS Pakistan (Oct. 2012 to Sep. 2013)

I had been performing my duties as a CP & Inspection Engineer for 1 Year. My responsibilities included were;

- Perform analysis on routine monitoring data and suggest complete system adjustments.
- Perform health checks as a result of field data for overall system.
- Develop status report of CP system for each pipeline and recommend short and long term plans.
- Carry out troubleshooting and drive on improvements of hardware.
- Develop scope for CIPS, DCVG and any other related performance related techniques.
- Good skills with CP equipment, components, service providers, manufacturers, etc.
- Perform auditing to ensure system robustness and procedural compliance and adequacy.
- Develop method statements and work practises.
- Able to perform necessary field activities and work in field.
- Implement ECDA, PIMS for Pipeline Integrity assessment and Integrity management.

- Monitoring & troubleshooting of installed CP system.
- Piping Inspection in accordance with API 570
- Tank Inspection in accordance with API 653.

I have carried out the following projects of SGS;

- CP Audit of Oryx GTL Refinery Qatar (19 no. of tanks, 14 no. of Pipelines)
- ECDA (CIPS, DCVG, PCM) of 14 no. of Pipelines of Oryx GTL Refinery Qatar.
- CP Audit of Pakistan Refinery Limited.
- ECDA of Shell Chaklala Terminal Pipelines Pakistan
- ECDA of Pipelines of Chevron Karachi, Chevron Lahore & Chevron Shikarpur Pakistan

Oilman Technologies Pvt. Limited (Jan. 2011 to Oct. 2012)

I had been performing my duties as a **Cathodic Protection Engineer** for two years.

My responsibilities included were;

- Project execution related to cathodic protection system Installation.
- Supervises and implements corrosion control activities.
- Conduct corrosion inspection on pipelines.
- Monitoring & troubleshooting of Installed CP system.
- Coating Integrity assessment of buried pipelines.

Performed the following projects for Oilman.

- CP Audit Survey & Direct Current Voltage Gradient Survey (DCVG) of 4 Cross-country Pipelines of Pakistan Refinery Limited of length 20 km each.
- CP routine monitoring of the following facilities of United Energy Pakistan Limited (UEPL);
 1. Mazari Facility & its associated fields.
 2. Tangri Facility & its associated fields.
 3. Bukhari Facility & its associated fields.
 4. Laghari Facility & its associated fields.
 5. Paniro Facility & its associated fields.
 6. Khaskheli Facility & its associated fields.
 7. Golarchi Facility & its associated fields.
 8. Ghongru Facility & its associated fields.
 9. North Akri Facility & its associated fields.
- CP Audit and CT posts Installation of BHP Billiton's Pipelines at Zamzama Gas Plant.

Nuricon Petroservices Pvt. Limited (NPSL) (Jan. 2009 to Dec. 2010)

I had been doing projects with Nuricon Petroservices Private Limited (NPSL) as a Cathodic Protection Engineer for two year. My Projects with NPSL include survey, installation, Commissioning, monitoring and troubleshooting of cathodic protection system of the following:

- Oil & Gas Well Casings.
- AST & U/G Water / Fuel Storage Tanks.
- Plant & Cross Country Pipelines.

My responsibilities included were;

- Supervise cathodic protection system Pre-design surveys for Pipeline, Well Casing, underground storage tanks and AST tank bottom.
- Supervise cathodic protection system installation on Pipeline, Well Casing, underground storage tanks and AST tank bottom.
- Commissioning of new cathodic protection system.
- Monitoring & troubleshooting of Installed CP system.
- Coating Integrity assessment of buried pipelines.

PRESENTATIONS & PARTICIPATION

- Volunteer Services to NACE International as a Cathodic Protection Level-III & Level-IV Job Task Analyst, held in Houston, TX.
- Presented Cathodic Protection System General Introduction to Descon International Pakistan.
- Presented Coating Integrity Assessment Surveys (DCVG, PCM) to Oilman Technologies Pvt. Limited.
- Presented Cathodic Protection System Inspection & Monitoring to Descon International Pakistan.
- Presented External Corrosion Direct Assessment to Kot Addu Power Company Limited (KAPCO)

ACHIEVEMENTS & CERTIFICATIONS

- Cathodic Protection Technologist by NACE (CP Level-III, Cert.# 55865)
- Cathodic Protection Technician by NACE (CP Level-II, Cert.# 55865)
- Tropical Basic Offshore Safety Induction & Emergency Training (TBOSIET, OPITO Reg. code: 5501)
- Basic H2S (OPITO Reg. Code: 9014)
- DOS
- WINDOWS
- M.S Office
- Internet
- 3 months computer hardware training

SKILLS AND INTEREST

- Quite good at working of MS OFFICE & Internet.
- Possess an excellent communication skills and quite generous to work
- A good team leader and team worker.

REFERENCES

- Ateeq Ur Rehman Hanif. (Facility Integrity Engineer in ADNOC, UAE)
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- Mr. Nasrullah Khan (Former CP Consultant in Nuricon Petroservices Pvt.Limited, Pakistan)
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