

# Vahid Kosari

Saskatoon, SK

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## 🔧 SUMMARY OF QUALIFICATIONS

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Highly motivated energetic Plant Maintenance Engineer, specialized at industrial, commercial and residential plants construction, procurement, maintenance and operation.

- Skilled in mechanical equipment inspection, piping analysis, and construction procurement.
- Proficient in interpreting industrial blueprints, isometric drawings, Piping & instrumentation Diagrams (P&IDs), and various vendor documentation.
- Strong written and verbal communication skills, capable of collaborating with all organizational levels, regulatory personnel, and the public.
- Proficient in Microsoft Suite, CMMS, AutoCAD and Revit.
- IV Class Power Engineer (Qualifications approved, exam challenge soon)

## 🔧 Professional Experience

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Facilities Maintenance and Operator  
Hilton Garden Inn, Saskatoon, SK

June 2025 – Present



- Operate, diagnose, and maintain **HVAC systems** (PTAC and central units), and guest-area climate systems to ensure safe, efficient performance.
- Perform operation and routine maintenance of RTU including:
  - Evaporator and condenser and filter inspection, cleaning and repair if necessary
  - Driver and belt control and replacement
  - Inspection for leakage of gas burners system
  - Monitor, diagnose and adjustments through Reliable System Control program
- Maintain the safe and efficient operation of **boiler systems**, mechanical rooms, and electrical stations, contributing to the reliable delivery of heating and energy across the property.
  - Routine daily inspection of boiler systems and record log sheets.
  - Gauge calibration control
  - Operation, Inspection and maintenance of boilers, pumping system, safety valves, etc.
  - Salt tank feeling and level control, perform regeneration cycle through Systemax control panel (manually and scheduled)
  - Shut down and start-up for system repairs
- Maintain **pool and spa systems** through chemical balancing, circulation checks, and safety compliance.
  - Operation and maintenance of boiler, pumping and filtration station
  - Routine inspection and maintenance of water and dosing pumps and filters for backwash and etc.
- Support **electrical systems maintenance** including outlets, controls, and lighting to ensure continuous guest services.
- Conduct regular facility inspections and preventive maintenance to reduce downtime and preserve assets.
- Foster cross-departmental communication to support operations, demonstrating organizational and problem-solving skills.

Leading petrochemical complex for Ethylene production in Middle East.

- Role activities during construction of utility plants and boilers construction and commissioning according to ASME Sec I, II, V, IIIIV and IX
- Performed corrective actions and on-stream maintenance of boilers, air, desalination, polishing, DSW units, and storages according to API 510, 570, 573, 653 and ASTMs.
  - Related activities during operation of boilers:
    - Controlling the corrosion rate of the system through corrosion rack and chemicals adjustment
    - Piping system maintenance (control valves, PSVs, spring hangers, supporting, insulation)
    - On-stream PSV pressure set, phosphate, Amine and Hexane control
    - Acid and Caustic unit maintenance for corrosion and welding cracks
    - Steam drum and deaerator maintenance
    - Wall thickness monitoring for steam and mud drum and tube expansion inspection during shut down periods of each boiler
    - Wall mounted tube inspection and thickness control through the combustion chamber
    - Fire box Insulation inspection and repair
- Provided consultation and technical support for industrial projects for design, construction and commissioning of plant utilities by TQ, prepare drawings and troubleshooting according to ASME (BPVC & B Series) codes, API, ASTMs and engineering principles.
- Conducted mechanical equipment maintenance and inspection of heat exchangers, towers, furnaces, reactors, boilers and process piping components during construction and operation to resolve issues to ensure in-spec performance and stable production.
- Consulted for material selection of process piping systems by means of PMS, piping line classes, key to steel, mechanical properties of materials and best practices.
- Participated in 8 Major overhauls for the whole equipment and piping systems, according to AMSE PCC, FFS, and API 510.
- inspection of synthetic belts and wire ropes, mobile, gantry and overhead cranes, lift track, hoisting chain blocks for periodic inspection and maintenance, static and dynamic load test and certificate issuance.

## Education

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 Bachelor's Degree in Mechanical Engineering – Plant Maintenance ( <i>WES-assessed</i> )	2010
 Associate Degree in Mechanical Engineering – Thermofluids ( <i>WES-assessed</i> )	2005

## CERTIFICATIONS

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• <a href="#">Pool Operator certificate</a>	SHA, Sep 2025
• <a href="#">CareerNet, Employment Skills Training</a>	SIA, May 2025
• <a href="#">Web Programming with Python and JavaScript</a>	Harvard online, May 2025
• RBI (Risk Based Inspection) with RBI Master	JPC, February 2024
• <a href="#">BPA</a> (Business Process Automation) with Camunda 8	Sharif University, August 2023
• <a href="#">BPM</a> (Business Process Management) with Visual Paradigm	Sharif University, June 2023
• Power BI (Data cleaning and Dashboard design)	KPC, March 2021
• Revit MEP (HVAC & Plumbing)	Rosam BIM, August 2019
• Root Cause Analysis	SPGC, January 2017

- Industrial Valves Selection and Maintenance PDA, January 2016
- AVEVA PDMS (E3D's ancestor) Training course RFPC, January 2016
- Fixed Equipment Maintenance RPC, November 2015
- 5S (Cleaning and organizing the workplace) Gama, August 2015
- Industrial storage design Gama, January 2015
- Technical Report Writing KMD, June 2014
- Leadership Training PRC, August 2013
- CAESAR II Piping stress analysis Novin Parsian, August 2011

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*Safety Trainings*

- [New Worker Readiness](#) Saskatchewan Safety Council, June 2025
- [WHMIS](#) Saskatchewan Safety Council, June 2025