

# RODRIGO M. SADIWA JR.

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## HIGHLIGHTS OF QUALIFICATIONS

Proven (17 years) experience in Piping Engineering Execution and Design of Refineries, Petrochem, Oil & Gas Separation Plant, etc. Outstanding communication, attention to detail, leadership qualities, and analytical skills and handled Engineering projects as a Piping Lead Engineer involving multi-discipline coordination with Construction site experience. Expert user of MS Office, Autocad, Microstation, PDS 3D Modeling (Piping, equipment, and frameworks), Navisworks, Smart Plan Review, and Basic Caesar II.

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## EDUCATION

2023	<b>Engineer-In-Training (On-going Experience Validation)</b> <b>Association of Professional Engineers &amp; Geoscientists of Saskatchewan (APEGS)</b>
2019	<b>Professional Engineer ANZSCO Skill Level 1 (233512 – Mechanical Engineer)</b> <b>Engineers Australia Skills Assessment</b>
2006	<b>Licensed Mechanical Engineer</b> <b>Philippine Professional Regulation Commission Board Exam Passer, 2006 • Manila, Philippines</b>
2000 – 2005	<b>Bachelor of Science in Mechanical Engineering</b> <b>Technological Institute of the Philippines • Manila, Philippines</b>

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## WORK EXPERIENCE

- Oct. 2023 – Present*      **Senior Mechanical Engineer • KLOHN CRIPPEN BERGER**
- *Act as BC Hydro consultant and support construction and installation activities related to Site C Clean Energy Project.*
  - *Act as Engineering Team Representative at site and ensure that Contractor's work activities are completed in conformance with the contract and design approved work methods, scope of work and IFC drawings.*
  - *Collaborate actively and assist other disciplines such as Mechanical, Electrical, Civil, Quality Management, Construction Management and Project Management Team.*
  - *Review and participate in signing off Quality Control/ Assurance documentation relating to Contractor witness and hold points as required by contract, IFC drawings and ITP's involving coordination with multiple stake holders including consultants and contractors.*
- Dec. 2020 – July 2023*      **Lead Piping Engineer • JGC PHILIPPINES, INC.**
- *Oversee various piping discipline member such as Area Lead Engineer, Designer, Lead Material Engineer, 3D Admin and Stress Engineer.*
  - *Study and analyze technical documents such as Plot Plan, ITB, project and design basis such as the scope of work, overall project schedule, Basic Engineering Design Data (BEDD), Client project specifications, and other related documents.*
  - *Prepare schedules, Execution Plan and monthly reports for alignment of activities and submission dates.*
  - *Facilitate kick-off and coordination meetings with counterparts including weekly meetings with Project Manager and other Disciplines such as Mechanical, Civil, Electrical and Instrumentation.*
  - *Monitor manpower mobilization plan, man-hour distribution, IT license requirement, overall progress, spent man-hour, and monthly progress versus approved schedule.*

May. 2017 – Nov. 2019

**Piping Field Engineer (Senior Piping Engineer) • JGSK Joint Venture (JGC, GS & SK)**

- Supervise a team of Piping Field engineers and act as immediate superior.
- Coordinate with other disciplines and PMC for resolution of site concerns.
- Prepare and inspect the isometric field change sheet for any piping modification to suit the actual site condition.
- Initiate material substitution in the event of material shortage.
- Study and review vendor drawings to validate the scope of work and supply.
- Prepare material exception claims to the vendor in the event of material damage and non-conformity.
- Perform line checking to ensure the current piping design complies with process requirements, P&ID, and project specifications prior to testing activities.
- Prepare site instructions to guide the construction team during the fabrication and installation of piping systems.
- Checking piping displacements to ensure quality engineering and safe operation.
- Coordinate with PMC for comment close-out related to engineering punch within the scope of responsibility.
- Assist project management team during the provisional turnover of piping systems.

Jan. 2006 – May. 2017

**Senior Piping Engineer • JGC PHILIPPINES, INC.**

- Prepare a schedule and monthly report for alignment of activities and submission dates.
- Control and monitor isometric drawing issuance and prepare forecast schedule.
- Conduct project orientation and toolbox meetings with project members for alignment of design philosophy.
- Handle piping conceptual layout to suit project requirements in a PDS 3D modeling environment (Piping, equipment, and framework).
- Review equipment information (general arrangement, tie-in connections, installation level) prior to PDS modeling input.
- Prepare piping information for other disciplines, including loading calculations and drawings.
- Resolve 3D model review comments based on clients' feedback.
- Prepare isometric drawings, plan drawings, stress sketches, and BM / BQ generation.

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## **TRAININGS AND SEMINARS**

### **JGC Philippines Cadetship Program**

- **Trainings attended:** *P&ID Reading, Manual MTO (Isometric Sketch with Bill of Materials), PDS and Microstation, Plot Plan and Equipment Arrangement, Basic Principles for Design Layout, Basic Principles for Pipe Support Selection, Basic Stress Analysis, Reading of Material Specification, Steam Tracing.*