

JODIL BORJAL



SENIOR MEP DESIGNER / PROJECT MANAGER

About Me

Jodil is a registered Mechanical Engineer with 15+ years in construction management across diverse projects (residential, commercial, resorts, hospitals) and oil & gas (onshore/offshore). Proven ability to manage multiple projects while ensuring adherence to high standards. Expertise includes MEP systems coordination, team collaboration, project documentation, procurement, scheduling, commissioning, and government liaison. Proficient in Revit, AutoCAD, and other design/construction software.



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KEY SKILLS

- Organized and detail oriented
- Superb management skills
- Construction management software
- Cost control
- Subcontract management
- Building codes and regulations
- Blueprint fluency
- MS Office proficient

EXPERIENCE

Senior MEP/Project Manager | August 2021 - Present

EMCS Caribbean Ltd. | Tortola, British Virgin Islands

- Managed projects under MEP Director, including coordination, budgeting, procurement, and progress tracking.
- Directly communicated with client representatives.
- Handled project documentation (RFIs, submittals, change orders).
- Ensured adherence to project schedules and plans for MEP installations.
- Oversaw MEP team staffing and payroll.
- Prepared project as-built drawings and photos.
- Supported tendering and proposal development.
- Conducted toolbox talks and safety training.

DMEP Engineer | April 2020 – July 2021

James Todman Construction| Tortola, British Virgin Islands

- Oversees the design and build of all MEP systems, including:
 - Plumbing (domestic hot and cold water, booster pumps, storm and sewer lines)
 - Lighting and power systems
 - HVAC systems (heating, ventilation, and air conditioning)
 - MEP infrastructure
- Leads and manages all MEP construction activities.

MEP Engineer | November 2017 – March 2020

DCK Worldwide LLC | Tortola, British Virgin Islands

- Leads in-house electrical and plumbing teams, managing a diverse group of 35 electricians and 24 plumbers.
- Supervises and manages subcontractor teams (2 electrical, 2 plumbing, and 1 HVAC).
- Handles project communication, including RFIs, submittals, material procurement (electrical & plumbing), and coordination with suppliers.
- Ensures quality control through site inspections and prepares project documentation (specifications and O&M manuals)

Site/MEP Engineer | March 2017 – November 2017

James Todman Construction| Tortola, British Virgin Islands

- Oversees all construction activities, ensuring they comply with drawings and specifications.
- Manages the successful completion of superstructure, facade, MEP rough-in (mechanical, electrical, plumbing).
- Collaborates with project planning engineer on construction programs and schedules.
- Handles quantity surveying, including variations, site instructions, and material/work compliance checks.
- Maintains safety protocols and prepares project documentation (record drawings, as-builts, technical/daily reports).

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QUALIFICATION

- **Master's Degree: Mechanical Engineering**
De La Salle University, Manila, Philippines
- **Bachelor's Degree: Mechanical Engineering**
Bicol University, Legazpi City, Philippines
- **NFPA 72 Online Training Series Gastite Flash**
- **Shield Online training**
- **HVAC Design Course/Seminar – Saudi Arabia**
- **2ND Middle East Regional Conference – Manama Bahrain**
- **PDS Piping & Equipment Modeling Training – Flour Corporation, Manila Philippines Tube Fitting Installation and Bending Training Course – Swagelok Philippines**
- **Steam Trap Examiner – Level 1 – Swagelok Malaysia**
- **Licensed Mechanical Engineer**
- **Proficient in drafting software application:**
 - Revit,
 - AutoCAD,
 - AUTOCAD MEP,
 - MicroStation,
 - SPPID,
 - Solid works,
 - Elite Software Knowledgeable in Primavera,
 - and Microsoft Project
- **Well-verse in engineering standards such as ASME, ASTM, API, ASHRAE, IRC, SMACNA, IPC, IMC, IFGC, NEC (NFPA 70), NFPA 72**

EXPERIENCE

Principal Mechanical Design Engineer | November 2012 – September 2016 *Worley Parsons Saudi Arabia Ltd. | Al Khobar, Saudi Arabia*

- Manages piping and mechanical deliverables like material selection, routing, pump layout, and support structures.
- Collaborates with the Lead Piping/Mechanical Engineer on material specifications.
- Offers senior-level expertise in mechanical & piping design for multidisciplinary projects.
- Proficient in various design software including AutoCAD, PDS, SPPID, MicroStation, and SP3D.

Piping Design Engineer | November 2011 – October 2012

Worley Parsons Bahrain | Manama, Bahrain

- Handles piping and mechanical deliverables: material selection, routing, pump layout, supports, and nozzle loads.
- Contributes to detailed design of raw water tanks and gas manifold systems.
- Designs systems for slops tanks, scraper receivers, corrosion inhibitor tanks, multiphase flow meters, and slops pumps.
- Proficient in AutoCAD and MicroStation software.

Project Engineer | May 2009 – July 2011

Swagelok Philippines | Manila, Philippines

- Estimates project costs by analyzing client design proposals and specifications.
- Develops proposals to strengthen client relationships (e.g., alliance agreements).
- Prepares reports and project activity schedules.
- Trains new staff and educates clients on company products and services (e.g., Swagelok Tube Fitting Seminars).

Drafter III | November 2007 – March 2009

Flour Corporation | Manila, Philippines

- Creates Material Take-Off (MTO) based on flowsheets and piping plans to ensure material accuracy.
 - Updates and revises Process & Instrumentation Diagrams (P&IDs).
 - Analyzes and interprets piping plans for MTO creation (can be implied from the first bullet point).
 - Identifies and specifies material requirements for piping systems (can be implied from the first bullet point).
 - Maintains and updates P&IDs to reflect project changes (can be implied from the second bullet point)