

## Jun LI

- 18600363243 [lijuncq@live.com](mailto:lijuncq@live.com)
- Date of birth: 1980-09
- Language Ability: Chinese (Native) English (Fluent)
- Current serving in Qingdao Macdermott Wuchuan

### Summary of Experience

- 14 years of experience, as Layout & Piping Engineer in the design of Paper-machine, Aluminum GTC, FTC, Seawater FGD, Steam Power Plants. Familiar with Steam Power Plant piping design procedure. Have international project design experience.
- Have project management experience as project leader and deputy project design manager.
- Have the ability to Investigate working procedure and simplify. Standardized the pipe support secondary steel structure in Alstom Beijing office, and helped the developing of the design software PSHEs.
- Codes and Standards: ASME, GB
- Software: PDMS, E3D, Tekla, AutoCAD, Microsoft Office, Navisworks, Unity.
- Program language: C#, Pml, Python. See some of my work via <https://lijuncq.github.io/works.html>

### Position Desired

- Piping Design Manager/ Piping Design Engineer/Digital Delivery Engineer, Work Place:China, Available in 1 month.

### Employment History

#### **Qingdao Macdermott Wuchuan Co., Ltd**

2022/01 - now Senior Engineer - Pdms/E3D Administrator

1. Pdms/E3D catalogue and specification maintenance and addin development.
2. Lifting and Construction simulation in Unlity.
3. Python script for processing pdf, excel and autocad files.

#### **General Electric (China) Co., Ltd**

2015/11 - 2021/12 Lead Engineer - System Engineering

1. Aluminum Core Team member as lead layout & piping engineer.
2. Provide technical support for Aluminum GTC, FTC execution project, layout & piping design review.
3. SWFGD and NID plant layout & piping design, design review.
4. Lead the 3D parametric design(Tekla + C#) project for Aluminum and NID design automation.
5. Pdms/E3D key user.

#### **Alstom (Beijing) Engineering Technology Co., Ltd.**

2008/11 - 2015/11 Senior Piping Engineer

1. Lead and review piping design inside turbine hall.

2. Power plant turbine hall piping design batch leader.
3. Lead the 6 sigma project for piping support simplify and standardization in Alstom Beijing office.
4. Pdms/E3D key user.

### **Guangdong Power Engineering Corporation**

2003/08 - 2008/10 Erection Technical Leader / Mechanical Engineer

1. Pdms design team management.
2. Heavy equipment lifting solution and simulation on site.
3. Small bore pipe (pipe diameter  $\leq 50$ ) arrangement on site.

### **Project Experience**

**Yellowtail Project ONE GUYANA FPSO** 2022/01 - now Qingdao Macdermott Wuchuan Co., Ltd · Senior Engineer - Pdms/E3D Admin

1. E3D catalogue and specification maintenance, addin development for MDS(pml)。
2. Flareboom Lift Study simulation in Unity(c#)。
3. Pdf file table detection and orc tool development(Python)。

**xxx Paper-machine Project** 2022/06 - now Freelance · Piping Engineer

1. Paper-machine steam system,condensation system, vacuum system piping and support design。
2. E3D addin development and tech support。
3. Construction schedule simulation animation(Unity)。

**THQ, Emal 123, San Cpian... Aluminum Gas & Fuel treatment project** 2019/03 - 2021/12 General Electric (China) Co., Ltd. · Lead Layout & Piping Engineer

1. Prepare 3D model and GA drawings for aluminum tendering project.
2. Prepare piping BoQ for tendering project.
3. Design review for execution project.

**Aluminum Automation and NID Config to Delivery Project** 2019/06 - 2020/06 General Electric (China) Co., Ltd. · Sub project Leader

1. Develop parametric module using tekla open api(c#).
2. Develop interface between PDMS/E3D and duct parametric design tool(c#, pml).
3. UI data save and restore function development.

**Vietnam Tanjung Jati WFGD** 2017/06 - 2017/09 General Electric (China) Co., Ltd. · Lead Layout & Piping Engineer

1. Layout design for Reagent area.
2. Piping iso drawing and mto.

**Vietnam Vinh Tan 4 Extension SWFGD** 2017/01 - 2017/08 General Electric (China) Co., Ltd. · Lead Layout & Piping Engineer

1. FGD equipment and piping layout design lead.
2. Layout & piping design schedule planning.

3. Design progress & 3D review.

**Thailand Mae Moh 4# 600MW** 2015/06 - 2016/07 Alstom (Beijing) Engineering Technology Co., Ltd. · Lead Layout & Piping Engineer

1. Design lead for CCW system piping design.
2. Design task assignment, interface management.

**6 sigma breen belt - Piping support procedure simplication and secondary steel standardization**

2014/09 - 2015/12 Alstom (Beijing) Engineering Technology Co., Ltd. · Project Leader

1. Project management, work assignment.
2. Lead the investigation of current support design procedure.
3. Standardized piping support 2nd steel frame, assist SeongHwa soft engineers to develop PSSES.

**Malaysia TANJUNG BIN 1 x 1100 MW SC Coal Fired Power Plant(T4)** 2013/03 - 2015/05 Alstom (Beijing) Engineering Technology Co., Ltd. · Senior Piping Engineer/ Deputy design manager

1. Coordination of Piping & Support design with Batch leaders.
2. Review manpower requirements with design manager.
3. Organize 3D model reviews.
4. Interface management.
5. Support(Technically) Piping & Support team.

**Malaysia Manjung 1 x 1100 MW SC Coal Fired Power Plant(T4)** 2011/12 - 2013/03 Alstom (Beijing) Engineering Technology Co., Ltd. · Piping Engineer

1. Piping detail design for IP/LP Piping in turbine hall.

**Guangdong Yangxi/Hebei Sanhe Coal Fired Power Plant Project** 2006/03 - 2008/10 Guangdong Power Engineering Corporation · Erection Technical Leader

1. Heavy equipment lifting solution and simulation on site.
2. Pdms design team management.

**广东台山电厂** 2003/09 - 2006/03 Guangdong Power Engineering Corporation · Mechanical Engineer

1. Heavy equipment lifting solution and simulation on site.
2. On site small bore piping layout design.

## Education

**WUHAN UNIVERSITY OF HYDRAULIC AND ELECTRIC ENGINEERING** 1999/09-2003/07 Bachelor in Mechanical Design and Automation

## Traning

**Aluminum GTC, FTC Process Training** 2018/11-2018/11 General Electric (Norway) Oslo office

Description :

- Aluminum GTC, FTC Process, Equipments and layout.

**PDMS Admin** 2013/9-2013/9 AVEVA Beijing

Description :

- PDMS Administration

**SmartPlant P&ID** 2010/10-2010/10 上海鹰图培训办公室

培训描述 :

- SmartPlant P&ID 项目建立 , 数据库设置 , 绘图 , 图纸管理 , 材料报表等。

**Comos PT** 2009/10-2009/12 瑞士巴登培训办公室

培训描述 :

- Comos为西门子旗下大型工程及工厂工程数据集中解决方案软件 , 主要应用于电力及石化行业。
- 培训内容主要为P&ID工艺图绘制 , 管道元件库等级库建立 , Comos管理模块 , 与PDMS接口等。