

BASSAM RIFAI

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Current address:

Kazakhstan, Atyrau
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Permanent address:

Ksara, Near Antonie School
Beqaa, Lebanon
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Highlights and Qualifications

- Collaborative team member
- Strong work ethic
- High level of responsibility
- Advanced communication skills
- Fluent English speaker
- Work independently
- Superior organizational skills
- Proficient in Microsoft Office

EDUCATION

1) Bachelor of Engineering (Major: Mechanical Engineering)

- June 2011-

Beirut Arab University, Beirut, Lebanon

2) NEBOSH Certificate Holder (2016)

RELATED COURSES

- Electrical machines and powering
- Thermodynamics
- Fluid Design
- Heat transfer
- Pump technology
- Drawing and projection
- HVAC design
- Hydraulics mechanism
- Pipe lines engineering
- Solar and renewable energy

WORK EXPERIENCE

Working with Consolidated Contractors Company (CCC) for more than 3 years, started in Turkmenistan for Galkanysh Gas Development Project and continued to Kazakhstan 3rd Generation Project.

Job Responsibility:

**Project: 3rd Generation Plant & Camp Construction
Tengiz -Kazakhstan**

October 2014 - Present

Position: Site Construction Engineer

- Rerouting of hot lines CS feeding Tengiz area from main boiler station in KTL plant, including in all logistics, site plan, approvals and construction activities.
- Boring under Rail Road for sleeve installation of potable water pipe line with HDD machine.
- Earth works and preparation for small core substation area.
- Slab Preparation for structural works (Form works-Bitumen Paint-Backfilling-steel works concreting)
- Structural Erection (Panels-frames-posts-purlins and cladding)
- Drainage System and sewage Treatment construction (excavation, installation of manholes piping and leaking test)

- Heating system piping installation, hot water , cold water and HVAC system (construction and testing)
- Sewage treatment plant and Ro plant preparation.
- General Internal finishing for the blocks for a compound (2000 Persons) from tiling painting, fixtures to lighting and corresponding related activities.

**Project: Galkanysh Gas Field Development Project
South Yoloten- Turkmenistan.**

December 2011 - May 2014

Position: GUD Junior Mechanical Engineer

I got exposure to real working atmosphere, and management made me involved in many construction activities; which led me to obtain good experience of construction activities. Follow are the main activities which I were involved in:

- Controlling the welding activities for piping in fab shop.
- Piping works (underground and above ground) for critical areas by construction and releasing Test Packs (HDPE, SS and CS pipes erection).
- Responsible areas 9 out of 18 of each phase - **5 phases total** - (40,000 inch dia corresponding all piping works; including fabrication, welding, pipe supports installation and pipes erection) is under my supervision.
- Bolt torqueing and reinstatement after hydro test.
- Pre -commissioning supervision to coordinate all piping works and handover to commissioning group(flushing lines, steam blowing and reinstatement & bolt torqueing)
- Clearing punch lists after pre-commissioning and proceed to leak tests and MC.
- Commissioning Activities was done for 5 months (lube oil filling, flushing , circulation-pump alignment, spacer coupling installation , start up for equipment , supervision of all final box-up of all equipment ,retro jetting of lines & belt tensioning).
- Painting Job is achieved for 1 month (CS and SS pipes)
- Fire proofing estimation and preparation for the steel racks are achieved by the support of painting engineer.
- Logistic works for materials and spools

**Al Khatib Trading and Industrial Co, Beqaa, Lebanon
Power and Generation**

June 2008 - October 2008

June 2009 - October 2009

Position: Electrical Engineer Assistant

- Worked in the *Electrical Department* where I was responsible for developing normal and digital tableaus and panels (Smart+PVS1+DEEP SEA) for generation issues.
- Then I was moved to the *Connection Department* where I start dealing with connecting these tableaus to the generators and make sure that it is working well.
- Finally, we tested if our guarantees were matching the ISO rules.

Research and Projects

Helical Wind Turbine & Mechanical Design Beirut Arab University, Beirut, Lebanon

May 2010 - June 2010

Position: Technical Performer Engineer

- The main design was to test the helical shape and its efficiency. We use fibre glass to make the blades in a way to control shape with heat handling and to get the light weight. Our design was more efficient than steel blades. Our results showed a new way to renewable energy.

Wahat Farah School Project Zgharta, Lebanon

April 2010

- HVAC design for the school
- SMACNA standards for contracting.
- HAP Program calculations

Non-return Valve Beirut Arab University, Beirut, Lebanon

May 2007

- Designing a non-return valve accompanied with AutoCAD drawing

Machinery Proposal Beirut Arab University, Beirut, Lebanon

June 2008

- Designing a machinery project (four bars mechanism with a motor)

Mosque Design Beirut Arab University, Beirut, Lebanon

February 2007

- Designing a mosque using AutoCAD

Senior Project Beirut Arab University, Beirut, Lebanon

December 2010- May 2011

- Slurry pump analysis of performance and deduction

Computer Skills

- C++ programming
- Excel
- PowerPoint
- Microsoft word
- AutoCAD (3D Max)
- Mechanical Desktop
- Hap Program
- Pipe and Duct Designer

General Skills and activities

- Language: English (Fluent), Arabic (Native), French (Basic)
- Sports: Soccer, Basketball, biking, running.
- OSHA training
- ASME membership
- NEBOSH** Certificate

References

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