

## **Facility Plant Mechanical Engineer**

DOUGLAS HAN

1430 W Casino Rd, Everett, WA 98204 | 425.343.5151 | doughan0522@yahoo.com  
U.S. Citizen

### **CAPABILITIES:**

15+ years of experience in industrial and commercial design developing in plant modification of mechanical systems, HVAC, ECS, Energy Conservation, process piping, CM&CS application, UV fire detection and protection systems engineering with broad experience in commercial, military industrial projects of domestic and international programs. Prepared bid estimating and proposals to provide installation and detailed documentation. Managed supplier development, test and production activities, and directed the supplier to optimize integration and achieve program goals. Design, Analysis, Integration, Test, and Project Management experience.

Extensive knowledge of AutoCAD 2014.

PC usage: proficient in MS Word, Excel.

### **WORK EXPERIENCE:**

#### **Mechanical Engineer | Boeing Company, Bellevue, WA | 07.2013-12.23.2015**

Made conceptual designs developing in whole site building mechanical systems and modification of data center HVAC, Energy Conservation, CM&CS and mechanical systems analysis, and trouble-shooting. Developed and implemented testing and acceptance of HVAC, CM&CS and mechanical system to validate performance and perform condition code analysis. Worked with team members to develop and improve handling plans for data center HVAC, CM&CS and site mechanical systems.

#### **Mechanical Engineer | AMERICAN ORDNANCE LLC, Middle Town, IA | 08.2010-12.2012**

Conceptual, design developing in plant HVAC, ECS, Energy Conservation, process piping, CM&CS application, UV fire detection and protection systems to establish in the system design analysis assay, install designs and trouble shooting for the IOWA Army Ammunition Plant Projects include Hellfire, X-Cal liver, Javelin, Hawk, Tow Missile Warhead, 40MM, Mortars, Energetic, Artillery and Tank Ammunition. Performed system layout and sizing, code compliance and assist others with engineering related problems & solutions. Prioritised, delegated and tracked performance and documentation of analyses of mechanisms/ ordnance components and systems selecting appropriate methods to validate or assess the design. Completion of detailed engineering-designing-drafting with AutoCAD. Prepared bid estimating to provide installation and detailed documentation.