

Role: Fire Protection Engineering Intern
Team: Gigafactory-Nevada Facilities Operations
Location: Sparks, NV
Period: Fall 2020

About The Team:

Facilities Operations team commission, operate, maintain, troubleshoot, and repair electrical, mechanical, controls and fire protection equipment, and chemical processes within the Tesla Gigafactory Nevada facility. Fire Protection Engineering Intern will be engaged mainly with fire protection discipline functions. Under the mentorship of Fire Protection team members in Design, Operations, Construction and Security, intern will undertake projects directed at specific topics such as fire alarm, automatic sprinkler system, special hazard protection systems, code interpretation, and compliance. He/she will work closely with multiple teams such as EPC Design, Construction, EHS, Production and Security, as well as external customers, contractors and consultants, in executing projects, commissioning systems, performing periodic inspection, testing and maintenance activities, conducting safety walkthroughs and audits, preparing standard operating/maintenance procedure, and providing input for improvement.

Fire Protection Engineering Intern shall have strong motivation to be part of the Tesla's mission to accelerate the world's transition to sustainable energy, and a genuine passion for the health and safety of people, respect for our environment and a deep desire to learn and acquire knowledge and skills related to fire protection. He/she will interact with a variety of individuals and establish and maintain professional working relationships with internal and external customers.

What to Expect:

Following are some examples of specific items Fire Protection Engineering Intern may be supporting:

- Commissioning Fire Protection System: Responsible for preparing pre-test and final acceptance testing procedures, scheduling Authorities Having Jurisdiction (AHJ) inspection, coordinating with contractor/sub-contractors in execution, retain documents, etc.
- Inspection, Testing and Maintenance of Fire Protection System: Assist in periodic inspection, testing and maintenance activities related to Fire Protection Systems
- Code Interpretation and Compliance: Responsible for preparing fire protection/safety walkthroughs, developing code compliance and/or code interpretation reports, assisting with performance based design or alternative means and methods documents preparation, performing fire consequence modeling etc.
- Emergency Service Support: Responsible for providing emergency service supports as assigned

- Standard Operating/Maintenance Procedure: Responsible for preparing standard operating or maintenance procedures for fire protection systems

Requirements

- Currently enrolled Undergraduate or Graduate student with major in Fire Protection Engineering, Process Safety Engineering, or Chemical Engineering/Mechanical Engineering with focus/interest in Fire Protection or Process Safety Engineering
- Self-starters with “Can-Do” approach
- Familiarity with the International Building Code, International Fire Code, NFPA 10, NFPA 13, NFPA 25 and NFPA 72
- Good communication and interpersonal skills with ability to work in a team environment
- Familiarity with fire protection system inspection, testing and maintenance activities
- Works well under pressure and can manage multiple priorities simultaneously with strict deadlines
- Demonstrate strong ability to embrace and adapt to change, take initiative and showcase curiosity, learn quickly in a fast paced environment
- Experience in project management or program development is a plus
- Candidate needs to be comfortable with onsite presence supporting an essential business