Senior Fire Systems Engineer

**Job ID:** 8820728R  
**Location:** Lake Buena Vista, Florida, United States  
**Business:** Parks, Experiences and Products  
**Date posted:** Nov. 03, 2021

**Job Summary:**

What do cool air in the Cinderella's Castle, building lights in Epcot World Showplace, and the vertical turbine pumps at Animal Kingdom's Kali River Rapids have in common? They are all things that Guests enjoy at Walt Disney World's Parks and Resorts ... and they all rely on fire protection systems. As a Senior Fire Protection Engineer, you would be an essential part of a team of professionals that make our Parks and Resorts safe, sustainable, and brimming with Disney "magic."

Being a Senior Fire Protection Engineer at Disney is different, not only because of the variety of systems and projects, but also because our engineers are called upon to be thought-partners at the very early stages of development, and are empowered to act for ongoing projects and maintenance.

At Disney, the scope of a Senior Fire Protection Engineer work is remarkable. Every day as a Senior Fire Protection Engineer is different! On any given day, you might provide expertise in the following areas:

1. Fire protection  
2. Life safety  
3. Building and fire codes  
4. Fire hazard and risk assessment of materials and processes  
5. Fire and smoke spread  
6. Industrial fire hazards  
7. Fire investigation support

If you feel you have the skills and ambition to do this job, please apply today!

You will report to the Manager of the Sustaining Team

**Responsibilities:**

The primary responsibilities will be in providing fire protection engineering support for all lines of business at the Disney World Parks and Resorts for capital projects and for facility sustaining engineering support.

- Work on variety of facility assets that support amusement facilities  
- Systems accountabilities include:
- fire detection and alarm
- automatic sprinkler

• explosion protection
• You will operate in an environment of diverse general engineering knowledge in other areas such as codes, hazardous materials storage, use, and handling; gas alarm systems; elevator, conveyance, and ride safety; pyrotechnics; OSHA and general safety.

Job tasks for the Senior Fire Protection Engineer include:
• Field engineering support; technical input for inspection, testing, and maintenance
• Investigation, root cause and failure analysis
• Design systems including calculations, drawings, and submittals
• Review system designs developed by project design teams for accuracy, compliance with WDW standards and guiding principles, quality and completeness
• Recommend system improvements, enhancements and replacements. Proactively interface and consult with WDW lines of business, engineering services teams, and project managers to provide world class engineering support

Basic Qualifications:
• In-depth knowledge of Building and Fire Codes and NFPA Codes and Standards
• Working knowledge of AutoCAD or Revit
• 8+ years of experience in fire protection design related work or fire protection consulting

Preferred Qualifications:
• Specific experience with theme parks, resort hotels, and mixed-use facilities
• Knowledge in the application of computer modeling tools for fire and smoke spread and timed egress analysis (CFD, PyroSim, Pathfinder)
• Experience with codes and standards development, including committee involvement (e.g. NFPA, ASTM, ICC, CFR, FBC)
• Experience with fire testing and regulatory application of fire test methods to building materials
• Professional Engineer License
• Experience with testing and commissioning of fire and life safety systems

Required Education
• Bachelor’s Degree in Fire Protection Engineering (or a related field with M.S. in FPE) or Bachelors in Engineering

Preferred Education
• Masters Degree in Fire Protection Engineering or related field or MBA

Additional Information:
Benefits and Perks: Disney offers a rewards package to help you live your best life. This includes health and savings benefits, educational opportunities and special extras that only Disney can provide. Learn more about our benefits and perks at https://jobs.disneycareers.com/benefits

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About Parks, Experiences and Products:
The Parks, Experiences and Products segment includes Disney’s iconic travel and leisure businesses, which include six resort destinations in the United States, Europe and Asia, a top-rated cruise line, a popular vacation ownership program, and an award-winning guided family adventure business. Disney's global consumer products operations include the world’s leading licensing business across toys, apparel, home goods, digital games and apps; the world’s largest children’s publisher; Disney store locations around the world; and the shopDisney e-commerce platform.

About The Walt Disney Company:
The Walt Disney Company, together with its subsidiaries and affiliates, is a leading diversified international family entertainment and media enterprise with the following business segments: media networks, parks and resorts, studio entertainment, consumer products and interactive media. From humble
This position is with Walt Disney Parks and Resorts U.S., Inc., which is part of a business segment we call Parks, Experiences and Products.

Walt Disney Parks and Resorts U.S., Inc. is an equal opportunity employer. Applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status. Disney fosters a business culture where ideas and decisions from all people help us grow, innovate, create the best stories and be relevant in a rapidly changing world.

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Learn more here.

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