

Fuel Cell Technician Job Description

- Monitoring fuel cell system dashboards, meters, and control sensors
- Performing routine maintenance like cleaning, calibrating sensors, leak checks
- Recording voltage, current, temperature readings for optimal efficiency
- Diagnosing issues using data analysis and testing equipment
- Troubleshooting balance-of-plant components like compressors, valves, pumps
- Repairing components or facilitating replacement of damaged parts
- Documenting all maintenance activities and irregularities in logs
- Installing instrumentation and safety features during new system deployments
- Conducting regular inspections on fuel cell stacks and reformer systems
- Performing stack replacement when end-of-life is reached
- Ensuring safe handling of hydrogen, fuel streams, and hazardous byproducts
- Maintaining spare parts inventory and placing orders as needed
- Providing operational status updates to facilities management
- Responding quickly whenever there's an emergency shutdown, leak, or other issue
- Collaborating with engineering teams when necessary to make system modifications.
- Providing on the job training, to technicians as required
- Staying updated on the safety standards and best practices
- Proactively suggesting improvements of waiting for something to break.
- Adhering to all safety regulations
- Engaging third party specialists for repairs
- Maintaining cleanliness and proper condition of tools, testing equipment and safety gear.
- Safely locking out/tagging equipment before performing any work on it

- Being available for afterhours calls when assigned to duty
- Properly disposing of used fuel cell parts in a manner
- Demonstrating professionalism when interacting with clients.