HYDROLOGY AND INSTRUMENTATION TECHNICIAN

JE Fuller is a specialized hydrology and engineering firm that has been designing, building and maintaining flood warning and data collection systems for local, state and federal agencies since 1996.

ABOUT THE POSITION

JE Fuller is looking for a versatile, technically minded Hydrology & Instrumentation Technician to join our Real-Time Hydrology Group in Tempe, Arizona. The Technician will assist the Real-Time Hydrology Group by helping plan, design, install, maintain, and operate remote hydro-meteorological data collection stations (rain gauges, stream gauges, flood monitoring cameras and weather stations) which use various telemetry methods and protocols including ALERT, ALERT2, Cellular, and Satellite. We are a small team and we are looking for someone who is curious, adaptable, comfortable learning new technology, and willing to jump in wherever needed. You do not need to have experience with every aspect of the job. We are interested in people with strong technical aptitude, practical problem-solving skills, and an interest in hydrology and earth sciences.

WHAT YOU'LL DO

- Install and maintain rain gauges, stream gauges, weather stations, cameras, and other remote monitoring equipment
- Configure and troubleshoot sensors, data loggers, telemetry equipment, radios, cellular modems, and related electronics
- Help plan and build new monitoring and flood-warning stations
- Perform electronics testing, troubleshooting, calibration, and repair
- Work with ALERT, ALERT2, cellular, satellite, and other telemetry systems
- Use hand and power tools for station installation, maintenance, and occasional custom fabrication
- Review hydrologic data and help maintain station records and metadata
- Coordinate with other members of our team and directly with clients
- Split time between field work and office-based technical work

WHAT WE'RE LOOKING FOR

At a minimum, we're looking for someone who is:

- Authorized to work in the U.S., has a valid driver's license (or ability to obtain one in Arizona)
- Comfortable working outdoors and traveling
- Able to problem solve and learn new skills
- Interested in hydrology, earth science, electronics, instrumentation, or a related field.

Beyond that, experience with any of the following is helpful, but we don't expect applicants to check every box: hand and power tools; low-voltage electronics; sensors and instrumentation; trucks and trailers; basic surveying; computer skills; hydrographic data collection and analysis; troubleshooting technical equipment; or working at heights.

A high school diploma or GED is required. An associate or bachelor's degree is welcome, but practical experience, technical aptitude, and a willingness to learn are equally important to us.

BENEFITS

- Health and dental insurance
- 401k
- Profit sharing
- Flexible schedule

SPECIAL WORKING CONDITIONS

Technicians will often work outside most of the day, occasionally driving up to 300 miles. Temperatures range from below freezing in the mountains in winter to over 115 degrees in the lower elevations in the summer. Technicians may be asked to work in rainy, dusty or snowy conditions. Maintenance visits outside the Phoenix area may include overnights, sometimes involving camping. Technicians will operate a variety of tools, including saws, drills, and other related power tools. Successful candidates for this position must be able to maintain standardized health and safety certifications (e.g., OSHA, MSHA).