ABOUT ADRIATIC METALS

We value a diverse and motivated workforce that thrives on seeking responsibility for excellence.

Adriatic Metals BH d.o.o. is committed to building a working environment that is secure, fair, and diverse and a culture that fosters leadership and allows every person to contribute and realize their potential. Sound employment practices are crucial to developing a workforce with the necessary skills and qualities to support a successful, ethical, and responsible business. Diversity is celebrated and encouraged.

Underground Communication Technician

Main responsibilities:

1. Installation and Maintenance of Communication Systems

- Install, configure, and maintain fibre optic cables, leaky feeder systems, Radio communications and Wi-Fi networks for underground applications (e.g., tunnels, mines, and infrastructure).
- Ensure systems are set up for optimal performance in challenging underground environments, including signal coverage, Radio communications and network reliability.

2. Automation and Integration

- Implement automation solutions for monitoring, controlling, and optimizing underground communication systems, such as automatic signal adjustments, network diagnostics, and system health checks.
- Integrate smart technologies with existing infrastructure to automate troubleshooting and maintenance tasks, reducing downtime and enhancing system performance.
- Utilize automation software for remote monitoring, fault detection, and real-time updates for system status and alerts.

3. Troubleshooting and Diagnostics

- Perform routine troubleshooting and diagnostics of fibre optics, leaky feeders, Radio communications and Wi-Fi networks, identifying root causes of issues and implementing solutions promptly.
- Use automation tools to diagnose and identify network problems, minimizing the need for manual intervention.
- Perform cable splicing, testing, and repairing as needed for fibre optic systems.

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4. Network Monitoring and Optimization

- Continuously monitor the performance of fibre, leaky feeder, radio communications and Wi-Fi networks using automated systems for real-time performance insights and analysis.
- Analyse network traffic, troubleshoot performance bottlenecks, and ensure full coverage and reliable connectivity in underground areas.
- Employ automated optimization tools to adjust signal strength, bandwidth distribution, and other critical parameters based on data insights.

5. System Upgrades and Enhancements

- Oversee the upgrading and modernization of communication systems, including introducing more efficient automation technologies and network infrastructure.
- Manage system migrations, transitioning from manual systems to automated platforms that improve system management and performance.

6. Safety and Compliance

- Ensure all installation and maintenance work is performed in compliance with safety regulations and standards for underground environments.
- Follow industry best practices for working in confined spaces, ensuring the safety of personnel and the integrity of communication systems.
- Implement automated safety checks and alarms for real-time monitoring of safety-critical systems, ensuring early detection of hazards.

7. Documentation and Reporting

- Maintain accurate records of system installations, repairs, and maintenance activities.
- Document all automation processes, including scripts, workflows, and network optimizations.
- Prepare detailed reports on system performance, maintenance schedules, and automation effectiveness.

8. Collaboration and Support

- Collaborate with engineers, other technicians, and management teams to ensure seamless integration of communication systems in underground projects.
- Provide technical support and training to other team members regarding automated systems, troubleshooting processes, and best practices for communication technologies.
- Work with stakeholders to provide updates on project timelines, potential issues, and progress.

9. Emergency Response and Troubleshooting

- Be available for emergency response to network failures or communication outages, especially in critical underground infrastructure.

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- Leverage automated diagnostic tools to quickly identify and resolve issues, minimizing downtime.

10. Or any other task assigned by the manager

ABOUT YOU

The most successful candidate will ideally possess the following:

Required Skills and Qualifications
- ✓ **Fiber Optics:** Extensive experience with fibre optic installation, splicing, testing, and troubleshooting.
- ✓ **Leaky Feeder Systems:** Experience with leaky feeder communication systems in underground applications.
- ✓ **Wi-Fi Networking**: Proficient in designing, installing, and troubleshooting Wi-Fi networks for underground or infrastructure.
- ✓ **Automation Skills:** Knowledge of automation platforms and technologies for network management, monitoring, and troubleshooting (e.g., Sandvik AutoMine, SCADA systems, automated diagnostic tools).
- ✓ **Underground Work:** Experience working in underground environments such as tunnels, mines, or other subterranean locations, adhering to safety standards and protocols.
- ✓ **Technical Expertise:** Strong understanding of communication systems, networks, and infrastructure, including an ability to integrate various technologies into a unified, automated system.
- ✓ **Troubleshooting & Problem-Solving:** Exceptional problem-solving skills with the ability to identify issues and apply both manual and automated solutions.
- ✓ **Safety Compliance:** Knowledge of safety protocols related to underground work, including electrical safety, and hazard mitigation.
- ✓ **Physical Fitness:** Ability to perform physically demanding work in underground environments, including lifting equipment and working in tight spaces.

Preferred Qualifications:
- ✓ **Certifications**: Relevant certifications in fibre optics, automation systems, safety, or communication technologies (e.g., Fiber Optic Technician certification, SCADA, Radio Communication, Electronics programming).
- ✓ **Experience with RF systems:** Knowledge of radio frequency (RF) signal amplification and its integration with underground communication systems.
- ✓ **Networking Tools:** Familiarity with network monitoring tools and platforms.
- ✓ **Project Management:** Experience in managing or overseeing large

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communication system projects, including automation aspects.

Work Conditions:
- ✓ Work will primarily take place in underground environments, including tunnels, mines.
- ✓ Work may require being on-call for emergency repairs or troubleshooting.
- ✓ Physical requirements include working underground and standing or kneeling for extended periods.

ABOUT OUR PROCESS

At Adriatic Metals, we are committed to hiring individuals who align with the company's values and meet the requirements of the role. As part of the hiring process, there are various checks that can be conducted to establish the suitability of candidates for a role, including police/criminal checks, medical checks, business partner checks, right-to-work checks, occupational assessments, and/or reference checks.

To apply for this role, please send a copy of your Resume clearly indicating the name of the role, to **posao@adriaticmetals.com.**

Please note that only shortlisted candidates will be contacted for further consideration. Once again, thank you for your interest in Adriatic Metals. The vacancy is open until we find our best match. We wish you the best of luck in your job search!