

HARDWARE ENGINEER

Are you interested in joining an organization that:

- Plays a significant role in global airspace safety?
- Has over 35 years of experience providing industry leading Air Traffic Control (ATC) simulation training systems and state-of-the-art Air Traffic Management (ATM) solutions?

If this sounds interesting, continue reading about our job opportunity below.

Position Summary:

We are looking for a Hardware Engineer to join Adacel Technologies Estonian remote tower team. We are developing world-class novel technologies for remote air traffic control integrating radars, cameras, and radio that comms into AI enabled surveillance system of airports. The Hardware Engineer designs, integrates and maintains the safety-critical infrastructure used in Digital Air Traffic Control Towers. Unlike traditional towers, remote towers depend on distributed networks of high-definition cameras, sensors and communication equipment to manage live airport traffic from a centralized control facility miles away.

Essential Duties and Responsibilities:

- Design, configure, deploy, and troubleshoot complex sensory hardware—including ultra-high-definition visual and infrared camera arrays, pan-tilt-zoom (PTZ) units, airfield radar systems, ruggedized enclosures and meteorological sensors.
- Integration of high-speed data acquisition systems to capture real-time video.
- Knowledge of power management systems.
- Collaboration with infrastructure engineers to guarantee network stability and security.
- Develop the hardware sections of the system administration, installation and maintenance manuals.
- Deployment and support of Remote Tower System.
- Package, automate and document the installation procedures of the hardware components.
- Support the hardware of our test bed and lab environments.
- Cross-functional knowledge sharing with the Infrastructure Engineer to ensure full redundancy of responsibilities and deliverables.

As a successful candidate you must have:

- Bachelor's degree in electrical, computer systems, aerospace engineering or equivalent.

- 5-10 years of applicable experience.
- Experience with issue tracking systems (JIRA, Redmine or similar).
- Sound experience and understanding of IP networking (routing, VPNs, multicast).
- Excellent Linux- skills.
- Excellent multitasking skills with the ability to work across multiple software platforms.
- Proficiency in Estonian and English language.

Other Qualifications:

- Ability to pass an Adacel background check.
- Ability to travel on a frequent basis without advance notice. Must be able to travel to Canada, United States and other countries if it ´s needed.

Work Environment:

- Location: Tallinn, Estonia
- Job Status: Full Time
- Hybrid teleworking environment

Benefits:

- Enjoy flexible working arrangements that suit your lifestyle.
- Be part of an international team that ´s developing world-class, unique technologies for air traffic management.
- Receive support for your professional growth and skill development - paid external training, professional literature, e-courses.
- Benefit from a motivating compensation system and a workplace that values your contributions.
- Make a global impact with solutions implemented for air traffic customers worldwide.
- Enjoy supportive corporate culture and numerous career opportunities.

How to Apply:

- You may apply by emailing your resumé to careers@adacel.com
- Include the position title in the subject line of your message.

Disclaimer:

Adacel is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, and protected veteran status.