

Open Position: Electronics Team Lead (f/m/d)

Full time, Location: Garching bei München



ENABLE THE QUANTUM REVOLUTION

At Munich Quantum Instruments, we develop scalable photonic quantum sensors that can be applied in breakthrough discoveries and disruptive applications such as optical quantum computers, quantum sensing, deep space optical communication, and quantum communication. Our mission is to make quantum phenomena accessible on an industrial scale, enabling everyone to benefit from the upcoming quantum revolution. We believe that quantum technologies are truly disruptive and will enable novel applications, much like how the internet revolutionized our daily lives. Join us in improving our technology to the needs of tomorrow's quantum applications already today!

OUR OFFER

You will benefit from:

- Being part of an exciting deep tech startup, where your work matters
- Shaping the upcoming quantum revolution by optimizing our innovative products
- Mutual respect and a shared mission
- Dynamic, international & highly motivated team
- An environment where you can grow and develop your skills
- Direct support and agile working conditions, which values good work
- Additional bonus payments based on successful project completions
- Pick your perk benefit program
- 30 vacation days
- Great team spirit & team events

YOUR MISSION

As **Electronics Team Lead at MQI**, you will shape the future of quantum sensing by driving the development of analog, digital, and mixed-signal electronics. You will own the system architecture and project execution across the full electronics stack from RF signal paths to control logic and grounding schemes. This role combines hands-on engineering, team leadership, and cross-functional coordination to translate system needs into robust, scalable electronics platforms.

Key responsibilities include:

- Lead design and integration of electronics subsystems: biasing, cryogenic readout, analog interfaces, and signal conditioning.
- Coordinate with suppliers and external collaborators.
- Establish and maintain quality standards, documentation, and compliance processes.
- Mentor and grow the electronics team.
- Drive system-level thinking with a focus on fast iteration, product maturity, and cost-awareness.

YOUR PROFILE

You are a systems thinker with deep technical expertise in electronics and a drive to bring complex products to life. You combine high standards with pragmatism, and you thrive in dynamic environments where clarity and structure must be co-created.

Experience & Skills:

- Master's or PhD in Electrical Engineering, Physics, or related field.
- 3+ years of experience in electronics design for complex systems (low-noise, RF, power electronics, cryogenic integration).
- Proven track record of technical project management, from concept to prototype or product.
- Comfortable with analog/digital co-design, grounding and shielding concepts, and system-level integration.
- Strong communication skills and ability to challenge and be challenged constructively.
- Experience mentoring junior engineers or leading small teams.

If you're eager to push the boundaries of cryogenic technology, apply at career@munich-quantum-instruments.com