

## Position: Lab Manager / R&D Assistant

### **NitroVolt**

NitroVolt is a pioneering Danish seed-stage startup on a mission to revolutionize ammonia production. Ammonia is a critical chemical in modern society, and its global yearly production amounts to nearly 180 million tons, carrying a significant carbon footprint: 2% of global energy consumption and 1.5% of CO<sub>2</sub> emissions come from ammonia production.

NitroVolt is developing groundbreaking technology for electrosynthesis of ammonia at room temperature. Our vision is to deliver container-sized systems for local, green ammonia production using only water, air, and electricity. We're committed to sustainability, safety, and economic viability.

After transitioning from a lab-scale reactor to a prototype cell, we've successfully built the world's first electrochemical ammonia synthesis stack. As we scale our innovation, keeping an organized and functional lab, staying on top of the equipment we have, as well as supporting on R&D tasks are key.. We're now looking for a talented and proactive **Lab Manager / R&D Assistant** to join our team.

### **Role Overview**

This unique position as **Lab Manager / R&D Assistant** offers the opportunity to both ensure the seamless operation of our cutting-edge chemistry laboratory facilities (60% Lab Manager) and actively contribute to groundbreaking scientific projects (40% R&D Assistant). This role is perfect for someone who thrives in a dynamic R&D setting, possesses meticulous attention to detail, and is passionate about both scientific progress and operational excellence.

You will work closely with the NitroVolt's team of scientist and engineers, of which you will be integral part of, as well as suppliers and other stakeholders of our lab infrastructure.

### **Key Responsibilities**

#### **As Lab Manager (approx. 60%):**

- **Laboratory Operations & Maintenance:** Oversee the day-to-day operations of the R&D laboratory, ensuring smooth workflow and optimal functionality. This includes equipment calibration, routine maintenance, and troubleshooting.
- **Inventory & Procurement:** Manage chemical, reagent, consumable, and equipment inventory. This involves ordering, receiving, stocking, and maintaining accurate records to prevent shortages and ensure cost-effectiveness.
- **Safety & Compliance:** Implement and enforce robust laboratory safety protocols, chemical risks assessments (CRA), maintain safety data sheets (SDS), manage waste disposal, and ensure compliance with all relevant health, safety, and environmental (HSE) guidelines.
- **Equipment Management:** Coordinate equipment servicing, repairs, and calibration schedules. Source and evaluate new equipment as needed, providing recommendations for purchases.
- **Organization & Housekeeping:** Maintain a highly organized and clean laboratory environment, including sample management, shared spaces, and proper waste segregation.
- **Onboarding & Training Support:** Assist in the safety training and general lab orientation for new team members and visitors.

**As R&D Assistant (approx. 40%):**

- Experimental Support: Provide hands-on assistance with various R&D experiments, including sample preparation, solution synthesis, reaction setup, and data collection, under the guidance of senior researchers.
- Data Recording & Analysis: Accurately record experimental procedures, observations, and results in lab notebooks. Assist with data analysis and preliminary interpretation.
- Protocol Optimization: Contribute to the optimization of existing experimental protocols and the development of new methodologies to enhance efficiency and reproducibility.
- Documentation: Prepare basic reports, summaries, and presentations of experimental findings as required.
- Troubleshooting: Assist in troubleshooting experimental issues and proposing solutions.
- Cross-functional Collaboration: Work closely with other R&D team members, providing support where needed to achieve project goals.

**Qualifications**

- Hands-On Problem-Solver: You're not afraid to get your hands dirty! We need someone who enjoys troubleshooting, taking things apart to understand them, and independently seeking solutions for equipment issues. This includes thoroughly reading manuals and proactively contacting suppliers for support when needed, ensuring timely resolution without constant oversight.
- Meticulous Operations Manager: You'll be the backbone of our lab's efficiency. This means excellent attention to detail, especially when managing inventory, processing purchases, and maintaining accurate records (including our purchasing spread sheet). Organization and diligent note-taking are crucial.
- Effective Communicator & Collaborator: Your strong communication skills, both formal and informal, are essential. You'll be adept at staying on top of lab activities, fostering a collaborative environment, and seamlessly interfacing with internal teams and external stakeholders (like suppliers).
- Proficient in Data & Automation: Experience with coding is a significant plus. You should be able to leverage coding skills to support or independently run experiments and characterizations, enhancing our research capabilities.
- Lab Experience: Proven experience working in a chemistry lab is essential. While not strictly required, prior experience in a similar lab manager role or lab assistant will be highly valued.
- Language Skills: Proficiency in Danish is required for effective communication with suppliers and local stakeholders.

**Why Join NitroVolt?**

- Opportunity to be at the forefront of sustainable technology and make a significant impact.
- Collaborative and innovative startup culture with a passionate and dedicated team.
- Competitive salary and equity package.
- Flexible working environment with opportunities for professional growth and development.

**Application Process**

For any questions, please contact us at [info@nitrovolt.com](mailto:info@nitrovolt.com). To apply, please submit your resumé and a cover letter outlining your experience and why you are passionate about joining the NitroVolt team to [jobs@nitrovolt.com](mailto:jobs@nitrovolt.com). Applications will be reviewed on a rolling basis.

Join us in revolutionizing the ammonia production industry and creating a more sustainable future!