

**Full Time Position (f/m/d)**

Senior Battery Expert & Analyst

Location Dresden, Berlin or remote
Starting June 2021
Reference #VDX-AD-2100

You got a few years (c. 2 at least) of **working experience with Li Ion Batteries**, in particular modelling and investigation of **degradation mechanism** and the involved electrochemical processes? You got a robust knowledge on the external influencing factors to phenomena like Li-Plating, capacity fade/resistance increase, kneepoint-onset, and the like? You are moreover eager to see your experience and **knowhow in practical action**, having a real impact on customers, politics and the environment - not only theoretically, but practically on Terrabyte of reallife battery data.

If so, we'd gladly welcome you in our team as a **Senior Battery Expert & Analyst**, supporting our algorithm development department for our scalable, automated battery analytics software platform.

Minimum Qualifications

- Academic degree in the **natural science domain**, e.g. engineering, physics, (electro)chemistry or – alternatively - **equivalent practical experience**
- At least 2 years** of practical experience, ideally in a working environment, alternatively in a PhD or post-doc position
- Provable experience in the Li Ion degradation domain, e.g. concepts like Li-Plating, capacity fade/resistance increase, kneepoint-onset are well known to you
- Advantageous are experiences in (short-term) time-domain modelling of Li-Ion batteries (e.g. with ECM models and/or using AI)
- It is a must that you are familiar with a programming language (e.g. Python or Matlab), or that you at least are eager to deepen your knowledge here
- Expert language proficiency in **English, German, or both**

Beneficial Qualifications and Experiences

- ❑ Experience with **Cloud** like e.g. AWS, Azure and/or Google
- ❑ Experiences with concepts and limits of AI/ machine learning
- ❑ Experience with leading teams

Why you should join

- ❑ At vdx you are part of a **dynamic and ambitious team** of juniors and seniors that works together on the **technology for tomorrow**
- ❑ Modern cloud technologies, electromobility and lithium-ion batteries, IOT, IAC and Industry 4.0: these are **no marketing platitudes** for us
- ❑ Your strengths and interests determine your development potential - **we place great value on individual personality and skill development**
- ❑ **Work from anywhere** – in our HQ in Dresden, in our subsidiary in Berlin or from remote.
- ❑ Flexible work scheduling – we take your individual situation into consideration and make it possible to **work in a family-friendly manner**.

Our Mission

We make the wear of the most expensive vehicle wear part, the battery, transparent. By unlocking valuable information in the field data that continuously accumulates during daily system operation, we enable our customers to develop more economical battery systems, reduce operational risks and establish after-use concepts (2nd-use).

We are an experienced team of engineers, battery experts and software developers and, as a spin-off of the Fraunhofer Institute for Transportation and Infrastructure Systems IVI, we work with state-of-the-art technology for a higher goal - more on www.volytica.com

Send your application to contact@volytica.com

CV + concise cover letter + last references