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## Cathode Material Engineers, specialized in Li-ion battery technology



Northvolt has an exciting job possibility for experienced Cathode Material Engineers, specialized in Li-ion battery technology. You will be contributing from start to finish in building one of the first large scale European battery factories, which will play an important role in the transformation to a carbon free society.

With a thorough understanding of design and manufacturing engineering of cathode material process you will be also deeply involved in the process of optimization, the iterative work leading to the highest yield rate for the production and the optimization of material characteristics. You will serve as technical expert for buyers, strategic suppliers and technical team members.

The Cathode Material Engineer, with specialization in Li-ion battery technology will work closely with members within the R&D; and Evaluation & Analysis team.

Key responsibilities include but are not limited to:

- Design and development of cathode materials for lithium-ion battery cells
- Characterization and validation of cathode materials for lithium-ion battery cells
- Work with external suppliers, institutes, and academic organizations
- Provide engineering support to process teams for manufacturing process

The role requires traveling, mainly within Asia.

### Skills & Requirements

Education/Experience: **MSc or PhD in Chemical/Material/Electrical Engineering, and Chemistry/Physics**

- Demonstrated expertise and success in the development of cathode materials
- Must condition 5+ years experience in R&D; and manufacturing engineering of cathode materials company
- Experience in high Ni NCM and NCA cathode materials or similar
- Experience in surface engineering (doping/coating) of cathode materials
- Experience in precursor design
- Experience in scale-up of production (PP/MP)
- Experience in characterization and evaluation of cathode materials
- Experience in design and development of batteries/cell
- Expertise in high-level XRD analysis of cathode materials



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- Strong background from technical culture and proven engineering excellence in relevant field(s)
- Experience working with international colleagues and customers
- Must worked in multi-cultural environment

Specific Skills/Abilities:

- Excellent English written and oral skills
- Ability to work under high pressure and tight deadlines, excellent time management.
- Ability to work well with others in a team environment, as well as independently.
- Ability to work in a high profile and often high pressured international environment (start-up).
- Qualities that we cherish are flexibility, quality, friendliness, motivation to take on new challenges, grit and a sense of humour.
- Passionate & purpose driven.

### About the company

Northvolt is building the largest lithium-ion battery factory in Europe. This is key for future innovation and will support and accelerate the transition to sustainable energy production and consumption. Time is our greatest enemy. The global transformation to sustainable transport and energy, will only happen if there are enough battery cells produced at a significantly lower cost. We are currently in an exciting fast growing phase and operate in a busy, fast moving environment, dealing with a wide range of stakeholders preparing for factory construction to start in 2018. We are staffing our international project office in Stockholm and preparing upcoming recruitments for the establishment of the R&D; facility, Northvolt Labs, in Västerås and the main factory, Northvolt Ett, in Skellefteå. We aim to build the next generation battery factory with cutting edge technology and a structural cost advantage that will produce the world's greenest battery with minimum carbon footprint and a sustainable lifecycle.

We want to work with experienced experts in specialized and crucial fields within the battery area, as well as talented and purpose driven people from all kinds of disciplines to make this happen. Those of us already on board share a bold streak and a passion for our mission of enabling the future of energy. We are prepared to work hard in pursuit of excellence. We enjoy the ride and our main drive is to make a difference for real.

We are a team dedicated to thinking new, working hard and having fun. Join us today!

### Interested? Please contact us and send us your CV in English BEFORE NOV. 30 to:

Apply by sending your application to DANIELA MANIACI, HIRING MANAGER [daniela.maniaci@northvolt.com](mailto:daniela.maniaci@northvolt.com),  
(con copia a [eures.nordicos@sepe.es](mailto:eures.nordicos@sepe.es))

### Consejos de utilidad:

Como preparar un CV y application letter "Swedish style": <http://goo.gl/mQXTBF> , y <http://goo.gl/O7r3Ej>