

M.Sc Mechanical design and construction

Miljøbil Grenland AS is an environmental technology pioneering company which operates across the entire value chain for electrical vehicles. The company has activities within R&D, engineering and design, lithium-ion cell production, production of propulsion batteries and conversion of standard vehicles to electric vehicles.

The company is internationally oriented and is located in Herøya Industripark, Porsgrunn. We are continuously expanding our product development efforts in coordination with scale-up of our manufacturing. Within this year the company will be ISO-9000 certified and will have introduced the Lean Production philosophy within all segments.

Within the next few years we will produce a considerable number of battery packages for electrical vehicles. To ensure competitive products as well as an efficient and secure production, we want to strengthen our product engineering team within two core areas: 1) electro/electronics and 2) mechanical design and construction.

For both positions we are looking for individuals with a strong technical background and good practical skills. Your knowledge of development processes for complex products is good. You are focused on safety both during development, production and for the finished product.

Personal quality

- It will be of importance that you have a multidisciplinary understanding of all aspects with regard to the complete life-cycle of a product.
- You are structured and analytical with an attention to detail when required.
- You are a good team player and with a high throughput, but you can work independently when required

Language

- English
- Norwegian/Swedish/Danish an advantage

We offer

- Demanding and central roles in a high tech company
- Comprehensive, exciting and demanding duties
- A good and including work environment
- Good insurance and pension scheme
- An international network of highly skilled cooperation partners within a broad range of automotive engineering disciplines
- Competence building in a strong growth field in rapid transformation

Various working conditions

- Some travel expected
- Permanent positions

Work site

- Herøya Industripark
Bygg 114, 3908 Porsgrunn

Qualifications

- Minimum 5 years experience from product development/product engineering
- Knowledge of development processes within the automotive industry
- (D,P) FMEA/FTA
- Knowledge of batteries/battery packages will be an advantage

- Knowledge of QA and also Lean production to secure safe and good total solutions will be an advantage
- Assist in developing Test and validation specifications for complex battery systems
- Analytic and high skill at accomplishment
- Active user of CAD tools, preferably CATIA v5
- Knowledge of VeSYS will be an advantage
- CAN/LIN communication
- Testing requirements in connection with development, testing and validation e.g. UL, FreedomCAR, USABC
- Knowledge of development processes and test standards within the automotive industry
- Skilled in instrumentation techniques and broad knowledge in sensor specifications
- LabView
- Matlab
- Knowledge of Catia v5

Work tasks

- Design of products with
 - focus on safety
 - focus on manufacturability
 - focus on robustness, mechanically, electrically, thermally and to some extent chemically challenging environments
- Constant focus with regard to cost optimization
 - requirement of simple re-use
 - requirement of recycling/environmental friendliness
- Market research- surveillance and competitor benchmarking
- Design of products with complex geometry

Level and direction of education

- University, PhD/Engineering/Master level
- Mechanical Engineering

Contact persons:

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Application deadline; September 1st, 2010

Please submit your application to: careers@miljobil.no