

## Amer-Sil S.A.

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# Industrial internship at Amer-Sil Luxembourg.

**Tempting opportunity to gain experience in industry oriented research**

## **Project: Ion exchange membrane formulation for redox flow battery (RFB) application**

You are a:

- chemist
- chemical engineer
- polymer engineer
- material scientist

or have other experience in membrane or material science of any kind? We might be looking for you.

**[www.amer-sil.com](http://www.amer-sil.com)**

**Contact to apply or hear more about the internship**

Dr. Mateusz Donten  
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R&D engineer  
Amer-Sil, Luxembourg



### Amer-Sil in short:

Our company is an active player on the lead-acid battery separator and gauntlet market and exploring **membrane technology** for new energy storage solutions. We have **years of experience in working with Student Interns** providing excellent career start and the satisfaction of accomplishing research objectives.

### Internship conditions:

- **Work in the R&D Department with our young, dynamic team of about 10 researchers (4 PhDs).**
- **Gain daily guidance from a project leader holding a PhD degree and industrial research experience.**
- The internship period is 6 months starting in the 2017/2018 winter period (flexible).
- A contribution to the intern's living cost will be paid.

### Job description:

- **Laboratory:** Preparation, characterization and testing of hierarchical ion exchange membranes
- **Office:** report writing, small literature searches
- **Key skills involved:** •Polymer coating formulation & application; •Membrane testing: permeability, chemical stability, mechanical, laboratory scale RFB tests; •analytical techniques: microscopy, UV-VIS, titration, porosimetry...
- Participation in daily activities of the R&D team: safety briefings, project revisions etc.

### Candidate profile and requirements:

- **We look for students in chemistry related master studies. (possibility for Master Project)**
- Good knowledge of spoken and written English is a must; French language skills can be an advantage (not necessary in the lab).