



# ArcelorMittal



### Where will you have your next challenging professional experience?

ArcelorMittal is the world's number one steel company, with **222,000 employees in more than 60 countries**.

In a global business mode, ArcelorMittal is the **leader in all major global markets**, including automotive, construction, household appliances and packaging.

We are visionary thinkers creating opportunities everyday. This entrepreneurial spirit brought us to the forefront of the steel industry.

### Join ArcelorMittal Global R&D and envision the steel of tomorrow!!

ArcelorMittal Global R&D is spanning the Globe with 12 sites dedicated to research (operating in process, products, application and steel solutions) within 8 countries and more than 25 nationalities. Because quality outcomes and innovation spirit depend on quality people, we seek to attract and nurture the best people to deliver superior and innovative solutions to our customers.

Would you want to integrate a multicultural company with challenging missions and passionate people, ArcelorMittal is for YOU!

We are looking for Interns, VIE, apprentices willing to work in a multicultural environment in different domains.

Location		Contact			
<b>Research center:</b>	Maizières Process	<b>Last name:</b>	Champemaud	<b>E-mail :</b>	Sebastien.champemaud@arcelormittal.com
<b>Cluster :</b>	Downstream Processes	<b>First name:</b>	Sébastien	<b>Phone number:</b>	06 26 71 22 76
<b>Department:</b>	Downstream Processes	<b>Job title:</b>	R&D Engineer		

Training offer	
<b>Mission title: Digitalization of ArcelorMittal steel manufacturing - Tinning models development, optimization &amp; implementation</b>	
<b>Start date:</b> 2024 (January-March)	<b>Duration:</b> 6 Months
<b>Worklocation:</b> Maizières-lès-Metz (France)	
Areas	
<input type="checkbox"/> Purchasing <input type="checkbox"/> Commercial / Marketing <input type="checkbox"/> Finance / Audit <input type="checkbox"/> Legal / Communication <input type="checkbox"/> Supply Chain / Logistic <input type="checkbox"/> Maintenance	<input checked="" type="checkbox"/> Production / Process / Exploitation <input checked="" type="checkbox"/> Research & Development / Metallurgy Innovation <input checked="" type="checkbox"/> Recycling / Process and Product Development <input type="checkbox"/> Human resources / Health / Safety / Environment <input type="checkbox"/> Strategy & Business Development <input checked="" type="checkbox"/> Information System / Industrial Computer Science



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## The mission: accountabilities and activities

The intern will have to understand the tinning process, the existing R&D model and then optimize it in preparation for implementation on plant. The detailed missions are:

1. Review of all technical documents linked to packaging steel domain and the manufacturing process (focused on tinning line)
2. Understand the current tinning line process and how production is regulated
3. Understand the challenges and requirements of implementing an on-line model to improve tinning lines
4. Optimize existing model and add functionalities requested by researchers or/and factories
5. Support for exchanges with plants for future implementation

## The environment

This internship will be carried out within the Downstream Process (DP) department of Process center at Maizières-lès-Metz, France. Inside the DP department, the student will work in an international environment involving around thirty specialists: R&D engineers and technicians.

## The purpose of the mission:

Within **ArcelorMittal tinning line is one of the last important process** steps before the product delivery to the can and food makers customer. The tinning line objective is to provide a good tin covering of the steel to answer to different criteria requested by the supplier.

The **packaging market is a very competitive sector, and it is continuously evolving** in term of environmental, application needs, safety rules and product characteristics. Moreover, the steel is faced to increasing use of other materials like plastic, glass, and aluminium for packaging applications

Under such circumstances tinning lines are continuously working on **further optimization for production and quality improvements**. The intern will **collaborate with different R&D teams to optimize and support the implementation of existing model on the AM tinning line**. This will contribute to allow to reach **our ambitious objective of ArcelorMittal Packaging steel for the digitalization of lines**.

## Trainee's profile

**Studies level: Master degree**

**Discipline :** computer science / process / model

**School/University :** Engineering schools or University

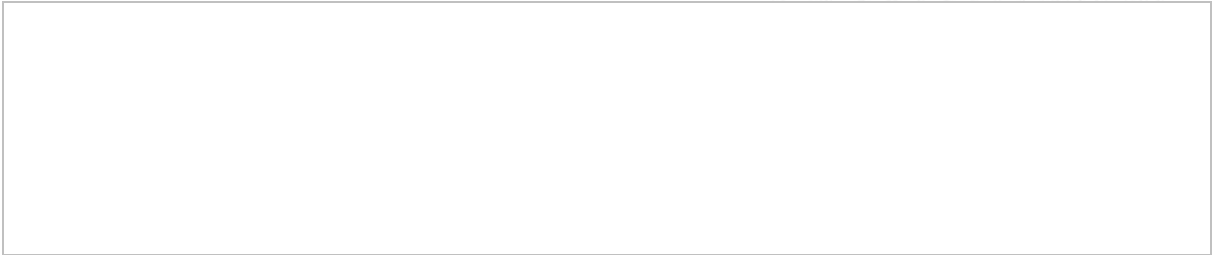
### Required profile and competencies

- **Programming skills (C#) and Process Engineering** (master 1 or 2).
- **Logical thinking, scheduling, results oriented, rigorous, autonomy and team-working.**
- **A good English level** is required, and French is recommended for daily use.
- Basic knowledge of chemistry and metallurgy would be an asset.
- Teamwork and communication skills.

Interested candidates can apply through the website or directly send the CV, the cover letter and 1 recommendation letter to the mentor: [sebastien.champemaud@arcelormittal.com](mailto:sebastien.champemaud@arcelormittal.com).



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*To put back to appropriate trainee correspondent*