ArcelorMittal

JOB INFORMATION

Position Title *	**Thermomecanics & metallurgical research engineer** **Ingénieur de recherche en thermomécanique couplée metallurgie**
Job Level *	Other (Manager - Specialist - Analyst - Assistant)
Profile	Young Graduate (up to 3 years of professional experience)
Function *	Research & Development
Type of function	Corporate / Segment corporate / Shared Services
Business Leaders (MBA) Program	Not eligible
Work Location - Business Unit *	Global R&D
Work Location - Sub Business Unit	R&D Process Maizières - Process Engineering
Work Location - Country *	FRANCE
Work Location - Site *	Maizières-lès-Metz
Travel Required	Minimal (15% approx)
Vacancy Duration *	Over 12 Months
Relocation Package *	None
Prefered Start Date:	ASAP
Hiring Manager	Jean-Paul ALLEMAND
HR Contact *	Daniele QUANTIN / Nathalie FOURNIER
Reports To:	Patrick HUG

JOB DETAILS

General objective **Responsibilities** **Activities** **Functional relations**	He/She will work in a team of specialists of thermodynamics, kinetics and thermomechanics which operates all through the steelmaking production route. He/She will develop solutionsfor our customers by applying his/her scientific and technical knowledge in the fields of thermomechanics. In addition, he/she will couple thermomechanics to metallurgical aspects on steel solidification and phase transformation to create innovative solutions. The solutions will be deployed through the production route from steelmaking to downstream processes (continuous slab casting, reheating furnace and hot rolling, annealing and galvanizing). He/She will have to improve models and provide support to our plants to reduce equipment maintenance costs. He/she will be passionated by thermomechanical modelling and by its possibilities of deployment and association with other sciences. He/she needs to be business oriented and professional in project management as he/she will gradually take the responsibility of research projects and technical supports. The job is based at the Process R&D Centre at Maizières-lès-Metz, within the Process Engineering Research Group.

MINIMUM APPLICANT ATTRIBUTES

Minimum basic Education

Education/Qualification	Master
If selected "other"	
Subject / Major	*Thermomechanical modelling*

Minimum Language Proficiency

Language	English
Proficiency Level	Advanced

Other Minimum Requirements

- Graduated in Mechanical Engineering with experience on thermomechanical simulations
- Ability to make experiments in laboratory and in plants.
- Skills and excellence in scientific modeling.

DESIRED APPLICANT ATTRIBUTES

Desired basic Education

Education/Qualification	PhD
If selected "other"	Engineer
Subject / Major	*Thermomechanical modelling*

Desired Language Proficiency

Language	French
Proficiency Level	Intermediate

Other Desired Requirements

- Metallurgy or metals solidification
- Entrepreneurship-oriented mind
- Ability to develop a prospective vision
- Ability to create change and adhesion to this change at

- Ability to make report both with analysis and synthesis mind. - Good relationships ability in a team work, in internal and external networks.	different levels - Rigourous