



M.ACADEMY - TRAINING STEEL PRODUCTION USING VACUUM TECHNOLOGY



COURSE INFORMATION

TITLE	Electric arc furnace and ladle furnace design
DATE	On demand
LOCATION	Legelshurst, Germany
TUITION	€ 1700 / Group rates and site option available
ТҮРЕ	Classroom training
LANGUAGE	English
TRAINER	Andrea Pezza Plant Owner of the Vacuum Degasser and Process Engineer



COURSE DESCRIPTION

The course aims to develop the analytical skills of the vacuum process and therefore predict when it is time to introduce, optimize or verify the metallurgical capabilities of a vacuum tank degasser and the recirculation degasser in a melt shop. Different steel grade routes will be analyzed, focusing on chemical analysis tracking, energy balance models and best metallurgical performances.

Process trends using Gantt charts, metallurgical model evaluation in terms of carbon, hydrogen, nitrogen, oxygen and sulphur removal will be analyzed.

Definition of the pre-conditions of the process and a link to the plant logistics conclude the study of the route definition of the process. Plant characteristic aspects will be analyzed, aiming to verify the influence of factors on the metallurgical performance.

Worldwide market trends, different metallurgical achievements and best practice examples are also part of the course. Different ways to produce a great variety of steel grades are the basis of the course.



COURSE OUTLINE

- Electrical energy: primary and secondary lines
- Why do you need a vacuum plant
- Introduction to vacuum technology
- Melt shop product mix definition
- Process route definition
- Vacuum process definition: model application
- Metallurgical models
- Energy balance
- Process diagrams for different steel grades
- Field experience: introduction of new process route
- Physiological vs. technical solution: lessons from the practice

WHO SHOULD ATTEND

- Productions managerPlant manager
- Process engineers
- Metallurgists
- Process operators
- Maintenance team
- Logistics expert



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PROGRAM DETAILS

DAY ONE		DAY TWO	
08:30-10:00	Why a vacuum plant is needed. Introduction to vacuum technology.	08:30-10:00	Metallurgical models. Energy balance.
11:00-12:30	Melt shop product mix	11:00-12:30	Process diagrams for different steel grades.
13:30-15:00	Process route definition.	13:30-15:00	Field experience: introduction new process route.
15:30-17:00	Vacuum Process definition: model application.	15:30-17:00	Physicology vs. technical solution: lessons from the practice.



ORGANIZATIONAL DETAILS

TRAVEL	With the registration you will receive proposals for hotels nearby
VENUE	Primetals Technologies, Legelshurst, Germany



WHAT IS M.ACADEMY?

LEARN, IMPROVE, SHARE.

m.academy offers courses (classroom training, practical training, process training, individual training) tailored to each area of your plant and designed to help your employees reach their full potential. Find the right package and leave the rest to Primetals Technologies. In today's globalized and interconnected world, knowledge is power and having the right know-how gives you a decisive advantage over your competition, locally and globally.

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FOR FUTURE INFORAMTION CONTACT

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CANCELLATION POLICY

Unless otherwise specified in the Commercial Offer, the Customer is entitled to cancel in writing at no cost up to 40 days prior to start of the training course. In the event of cancellation by the Customer up to 30 days prior to start of the training course, Primetals Technologies is entitled to charge 50% of the course fee. In the event of cancellation by the Customer up to 14 days prior to start of the training course, Primetals Technologies is entitled to charge 80% of the course fee. If the Customer gives notice of cancellation less than 14 days prior to start of the training course, or if the Customer fails to attend the course without having first canceled, Primetals Technologies is entitled to charge the full course fee.