



Client specific steel industry training

The Materials Processing Institute has a long history as a provider of Steel Industry Training Courses for steel companies and suppliers to the steel industry. This includes alloy suppliers and refractory suppliers.

Heraeus Electro-Nite supply temperature & analytical equipment, including sensors and samplers, to steel plants worldwide. Training is important for this company, to ensure that its employees have an in-depth understanding of their customers operations and to anticipate customer needs.

TRAINING SOLUTION

The Institute supported Heraeus Electro-Nite with its steel industry training:

Client Specific Training

- > The Institute prepared and delivered a bespoke course including lectures and practical studies on the Heraeus Electro-Nite CasTemp* Advanced Programme (CAP).

Steelmaking & Casting

- > Heraeus Electro-Nite employees attended the Institute's long established Steelmaking & Casting Course.

*CasTemp is a continuous temperature measurement device which is installed in the side wall of a casting tundish.

This course was specifically developed to meet the training requirements of Heraeus Electro-Nite. Subjects covered included:

- > Steelmaking fundamentals and steel cleanliness
- > Metallurgy of casting
- > Design and operation of a casting machine
- > Continuously cast product defects
- > Importance of temperature control during steelmaking & casting

The course also included practical aspects of slab tundish design by undertaking physical modelling experiments. This was followed by an examination and discussion of typical cast products defects (eg. slab internal cracking & segregation) and finished product (beam and rail) in the Institute's Metallography Laboratory.

THE OUTCOME

The client's employees have a very good understanding of:

- > Steelmaking and casting processes.
- > How the CasTemp system is used to benefit their customers.



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