Grinding Technology and Mill Operation

Onsite training
This course enables participants to operate, optimize and troubleshoot ball mill and vertical roller mill grinding installations.

Benefits
Participants will obtain the necessary knowledge to maximise the production rate and promote operational stability, while ensuring the grinding installation operates efficiently. This will improve product quality, increase the productivity of the grinding installation and reduce the maintenance costs.

Learning objectives
You will learn how to:
- Describe standard operation principles for ball mill and vertical roller mill installations
- Start, stop and operate the grinding installation in the most safe and efficient manner
- Understand the standard procedures for testing and benchmarking of grinding efficiency

Course Content:
- Grinding media composition and Ball mill power uptake
- Closed circuit ball mill installations design, operation and optimization
- Separators, types and operation
- Vertical roller mill installations design, operation and optimization
- Mass, air flow and heat balances
- Drying and grinding of coal
- Design and operation of a Roller Press installation
- Standard techniques for gas flow measurements

Form
The course consists of classroom based training, hands-on simulator training, exercises and calculations. Site visits and hands-on exercises by means of the FLSmidth Cemulator, a modern real-time simulation program.

Types of Grinding installations
The training is relevant for all ball mill and vertical roller mill grinding installations.

Local permissions
The participants will need permissions to access all areas of the grinding installation to perform inspections and/or measurements, to read instruments, local control panels and electrical motor panels.

INFORMATION
Duration: 5 days
Audience: Process and production engineers
No. of participants: 12-20