

Advanced Kiln Optimization

Objectives:



Clinker is the component that after grinding with gypsum gives the cement its desired properties.

Therefore clinkerization of raw meal in Cement Rotary kilns is considered the most important step in the process of cement production.

Operation of Cement Rotary Kilns requires a very Professional attitude and knowledge, deep and profound experience on the part of rotary kiln manager, besides understanding of kiln operation techniques, dedication and discipline on behalf of kiln operators.

Their job during kiln operation is to operate the kiln in such a way to achieve it nominal capacity with the lowest fuel and electrical energy consumption and with the highest clinker quality.

In addition to this the operator is responsible for the safety of equipment and to protect plant equipment from any damage during operation that can be caused by shortage of training that can cause misunderstanding of kiln operation techniques. If the techniques applied in kiln operation are not efficient; the product will be of no market value due to low quality and plant will lose its reliability and efficiency and consequently productivity will suffer.

Participants:

This course addresses professionals working as supervisors in rotary kiln system and for kiln operation staff (kiln managers, operators) with a minimum of 3 year of kiln operation experience.

Course contents:

Course outline

1. Raw materials impact on Cement Rotary Kiln Operation
2. Combustion of fuel in Rotary Cement Kilns
3. Sulfur & Chlorine and Alkalis in Rotary Cement Kilns
4. Kiln Operation
5. Kiln Start up Techniques
6. Kiln Shutdown Techniques
7. Cement Rotary kiln Operation
8. Troubleshooting in Rotary Cement Kilns
9. Kiln Supervisor Roll in Rotary Cement Kilns