

## Training Testimonial Lehigh Mitchell

Customer: Lehigh Hanson

Project: Lehigh Mitchell K4 Project

Subject: KHD Pyro Process and Maintenance training for plant staff

Training date: October 17-21, 2022

Training methodology: Classroom training, onsite training on Mitchell plant

KHD Humboldt Wedag performed the engineering and equipment procurement for a new 7000 tpd clinker production line with a 2-string 5-stage preheater for Lehigh Hanson in Mitchell, Indiana, USA. The new plant replaces an existing facility. KHD was responsible for the design of the overall plant and supplied core components, including the kiln, preheater, PYROCLON<sup>®</sup> Low NOx calciner with PYROTOP<sup>®</sup> mixing chamber, tertiary air duct, platework, and structural steel. The new plant will increase production capacity, while reducing emissions and energy consumption.

Before the commissioning period, an extensive training program was conducted for Mitchell plant personnel. KHD offered two different training blocks, one for process personnel, and another for maintenance personnel, which were performed by different specialists.

Process training included:

- Introduction to the plant (plant components and process).
- Process-related differences to the previous plant (e.g., on the preheating and calcining process), videos sequences/animations for deeper understanding of material- and gas flows
- KHD components, their function, and special features.
- Interlockings, flow sheets, control loops, start-up of the plant, operating in normal condition, and shutdown.

Maintenance training included:

- Introduction to the plant (plant components and process).
- KHD components, design and function, special features.
- Inspection and maintenance activities.
- Site visit/guided plant tour, explanation of inspection activities and maintenance steps directly at the equipment.

The Lehigh Mitchell team were very impressed with the planning, training material, presentation of the training, and highly satisfied with the results.