



Advanced KIDS Observation System

The Advanced KIDS Observation System (AKOS) is IKN's technical solution for short term monitoring of the static inlet and the clinker cooler during hot and harsh operating conditions. Viewing the clinker bed depth, identifying red rivers, detecting snowman formations and observing dust flushes to detect faults and optimize the process are all made possible with the use of the AKOS. The AKOS will enhance predictive and preventive maintenance tasks, as it enables you to observe the refractory conditions of the cooler, the kiln hood and the outlet section, as well as identifying the clinker dropping point for horseshoe improvement.

- + Water-cooled
- + Smartphone real-time view
- + 2.7 K-HD standard camera
- + Lightweight and easy to handle

IKN technology in brief

IKN's high definition AKOS camera was originally designed for IKN Commissioning Engineers. It provides high quality images within the hot and harsh environment of a clinker cooler where a stationary camera system is not available. The AKOS camera is small enough to be inserted through most types of observation ports.

The findings are provided as real-time images directly to a smartphone or can be recorded and stored on the camera's internal memory device for further evaluation.



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