

CEMENT



SERVICES

Millcreek Engineering is a full-service engineering, procurement and construction management company specializing in bulk material handling and processing solutions for the mining, minerals, power generation, fertilizer, oil/gas, cement, petrochemical, port and rail industries. We are staffed with highly qualified and experienced career professionals who bring deep expertise to the industries we serve.

Millcreek Engineering designs and delivers materials handling and processing facilities for the cement industry. We provide ongoing support from concept and new technology phases through to full project completion. We provide solutions for maintenance and capital projects. We understand there is not a one-fits-all solution for many of the challenges that the industry faces. We approach each project with our expert's experience that allows us to develop the proper solution for each individual challenge. We provide the following services:

Services

Millcreek Engineering's cement services includes:

- Audits - process, material handling, structural and electrical.
- Brownfield retrofits and upgrades
- Greenfield projects

Millcreek Engineering's cement experience includes:

- Raw material extraction / quarry
- Crushing (including in-pit and mobile)
- Grinding and blending
- Preheating systems
- Kilns
- Cooling
- Clinker grinding
- Material handling and storage
- Air pollution control
- Automated packaging
- Automated product load out and ticketing

For additional details on Millcreek Engineering's cement experience, please request a copy of the resumes of our key personnel.

PROJECTS EXECUTED

Millcreek Engineering Company professionals have had prior experience in the following representative projects:

General Project Experience:

Major Cement Producer - Basic Engineering Design:

Project scope included for process flow sheet development, heat and material balance, chemistry verification and equipment selection and sizing.

Major Cement Producer - Detailed Engineering Design:

Project scope included design of Mobile in-pit crusher, Whole tire handling and injection system (TDF) and Cement load-out

Major Cement Producer - Detailed Engineering Design:

Project scope included the design of cement pneumatic transfer for silo six pack, including dilute phase and airsides design.

Major Cement Producer - Detailed Engineering Design:

Mill design for replacement of three (3) cement finish mills and all ancillary material handling conveyors and air slides

Major Aggregate Producer - Detailed Engineering Design:

Developed process flow sheets, heat and material balances equipment selection and sizing.

General Project Experience Cont'd:

Major Aggregate Producer - Detailed Engineering Design:

Various conveyors, crushing, screening and pump projects

Lehigh Cement:

Project scope included the detail design of a rail to truck transload terminal.

Commissioning and Audit Project Experience:

Major Cement Producer

Performed plant audit to determine causes of increased CO and NOX emissions

Major Cement Producer

Plant audit to establish baseline study for process guarantees

Major Cement Producer (international project)

Performed Finish Mill Audit to identify process and operational problems limiting production equipment.

Major Cement Producer (international project)

Commissioned vertical roller mill



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