

# CEMENT INDUSTRY SERVICES

Matrix PDM Engineering provides comprehensive, multi-discipline engineering solutions with industry-leading expertise in aboveground storage, low temperature and cryogenic tanks and terminals, specialty vessels, silos and other bulk storage, natural gas processing, sulfur recovery, processing and handling, process plant design, power generation environmental controls and material handling, industrial power distribution design and engineering, electrical, instrumentation and controls / controls and automation, marine structures and material handling systems and terminals.

**Safety. Integrity. Positive relationships. Community Involvement. Stewardship. Delivering the best. These core values have forged our reputation for excellence.**



**A HIGHER STANDARD IN ENGINEERING.**

# Delivering complete EPC services to the cement industry

As an industry partner, we understand the economic, environmental and operational issues that our client's face. With Matrix PDM's acquisition of River Consulting in December 2016, we have over 30 years of cement industry leadership, now coupled with fabrication and construction capabilities to provide complete EPC project delivery for clients. With dedication to helping clients solve challenges, we provide innovative solutions to meet both operational needs and economic constraints. Whether it's a new facility, expansion or retrofit, our full EPC service experience includes feasibility studies, FEED, final design, procurement, fabrication, construction and commissioning of terminals and plant upgrades for the cement industry.

## ASME Certified Fabrication Facilities

- Pipe Spooling & Module
- Heavy Steel Plate
- Bellingham, WA
- Catoosa, OK
- Bakersfield, CA
- Orange, CA
- East Chicago, IN

## System Experience

- FGD and SNCR systems
- Dry sorbent and activated carbon injection systems
- Air pollution and dust control systems
- Alternative fuel and tire handling systems
- Additive and product blending systems
- Quarry primary and secondary crushing systems
- Electrical and power distribution systems
- Control systems design and programming

## Industry Services

- Feasibility studies and conceptual design
- Preliminary design
- Cost estimates, schedules
- Bid documentation preparation
- Final design and engineering
- Procurement
- Construction
- Start-up and commissioning
- Structural inspections

## Facility Experience

- Terminals
- Silo, dome and tank storage
- Packhouse and palletizing
- Truck, rail, barge and ship loading and unloading
- Raw Material proportioning
- Raw and finish mill grinding circuits
- Slag grinding and handling
- Clinker handling and storage
- Concrete scrubber vessels and high temperature ducts
- Office, service, maintenance and laboratory facilities

