

CIMENTEC Engineering LTD

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Company Profile

Our Mission

To become leading providers of specialized solutions to the cement industry. We will draw from our long time experience in the industry to provide sound technical solutions selected from the best practices in our industry

Who we are?

We are a multi discipline engineering company offering technical services to the cement industry at large.

Our Experience

Experience = Value Engineering

- Many years of cement industry hands on experience with plant design and supplier equipment.
- Members of the engineering team on the average each has more than 20 years experience in the industry

Experience = Value Engineering

- Effective response to operational problems.
- Innovative ideas with customized solutions based on hands on operating experience
- Intimate knowledge of cement plant process and operations.

Experience = Value Engineering

- Unbiased knowledge based advice for selection and application of equipment and operating methods
- Multidiscipline integrated concept with single source responsibility.
- Experienced to manage capital projects from concept to start up.

Experience = Value Engineering

- Ability to interface with contractors and OEM's to achieve client's goals with minimum disruptions by using a collaborative partnering approach with the parties involved in the project.
- Emphasis on the quality of engineering detail, reduces the risk of costly fixes in the field

OUR SERVICES

Cement Process Engineering

- Technical feasibility studies
- Capacity sizing, gas flow calculations
- Specifications, evaluations and selection.
- Energy Balance - Alternative fuels
- Assistance in solving process and process influenced environmental problems
- Commissioning and Start up Assistance

Mechanical Engineering

- Building and process equipment layout
- Estimating for equipment and construction
- Underground/above ground services
- HVAC, water system studies
- Procurement specifications and bid evaluation
- Erection and commissioning assistance

Civil & Structural Engineering

- Building and equipment foundations (silos, domes, storage halls)
- Vibration control – Mill bases, crushers bases, fan bases, etc
- Design analysis using specialized software – finite element analysis
- Construction methods specifications (slip forming)

Electrical Engineering

- Power system (generation, distribution/ transmission, protection, power system studies, quality)
- Building services – HVAC, Lighting, Life safety
- EOT Cranes
- Energy Management – peak shaving, cogeneration
- Motor and drive applications
- Control & automation (PLC/DCS, MIS and TIS)
- Installation and commissioning assistance

Project Engineering

- Project Management Approach (PMA & DOR)
- Conceptual, basic and Detail Engineering
- Plant layout and facility planning
- Procurement specifications/equipment evaluations
- Cost Estimating (multidiscipline)
- Construction Supervision,
Planning/Contract/Performance documentation

Detail Engineering

- Mechanical erection drawings
- Civil construction drawings and details
- Electrical wiring diagrams, cable/tray schedule, etc.
- Installation Specifications
- Tender documentation
- Construction tender evaluation

Commissioning & start-up assistance

- Preparation of specifications
- Commissioning planning
- Site inspection
- Commissioning reports
- Start up of equipment using due diligence approach

Additional Commissioning Service

1. Pre-commissioning checklists
2. Review of process control programming
3. Dry run procedures
4. Training Programs – theory and practical operation, equipment features.
5. Assisting your personnel with defining Standard Operating Procedures. (SOP)
6. Process troubleshooting - support during hot commissioning.

Organizational - Strengths

- Cement process know-how
- Experienced multidiscipline and resourceful engineering personnel
- Ability to provide prompt effective response to plant needs
- Confidentiality and non-disclosure agreement
- Quality procedural execution of projects and methods

CLIENT- Benefits

- Reliable and thrust worthy, partner with extensive cement plant process experience
- Knowledgeable Multidiscipline Engineering functions under one organization –single source responsibility
- Partnering agreement, client, supplier contractor
- Special contractual agreements and preferential fee structure

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