

What we provide

Highly specialized engineering and consulting services for cement and non-metallic minerals

Proven systematic approach to develop a new production line and executive the project

Team with extensive experience in green- and brownfield production lines

Experience as project manager and as Engineer as per FIDIC



Who we are

Engineering/ consulting office specialized in design and project management for processing plants of non-metallic minerals

Raw materials for such plants are limestone, clay, quartz, granite, etc.

Products are cement quicklime, hydrated lime, and other construction materials and chemicals

Engineering/ consulting office owned by its founders and therefore completely independent from equipment suppliers

Systematic approach to new production line



Concept design

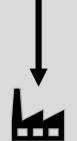
First step to develop a project Plant and project are outlined technically and commercially





Develop technical basic resignand develop the project Execute tendering
Supply contracts are ready for signature





Manage the project Design review Site management Site supervision

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Concept design



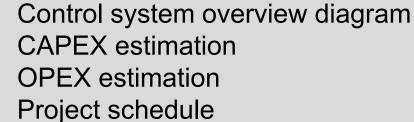
To develop a technical and commercial concept for the plant and the project. Alternatives for the plant, plant sections and the project are developed and compared.

The following documents are typically developed during concept design:



Mass flow diagram
Process flow diagrams
Plant layout drawing
Main equipment specification
Mechanical equipment list
Building list
Electrical consumer list
MV system overview diagram

Alternatively, to the concept design, a feasibility study with deep economical analysis of the project might be developed.



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Basic design and tendering



To develop the plant and the project to a level ready for execution of the project including execution of tendering. At the end of basic design and tendering, the execution contracts are ready for signature.

The basic design and tendering includes improvement of the documents listed in concept design and the development of (major examples of ly):



Section layout drawing Mechanical design specifications
Civil design specifications
Electrical design specifications
Documentation requirements
Tender documents
Offer comparison
Contracts ready for signature
Project cost calculation

The basic design must be developed aligned with the selected project type, EPC or EPCM.



Project execution



To engineer, manufacture, construct the plant and take it into operation. The engineering consultant is monitoring and managing the project.

During project execution, the following is achieved:

By execution contactors:

By engineering consultant:



Detail design of the plant
Manufacturing of equipment
Shipment

Construction works

Erection works

Commissioning

Plant hand-over

Figient and site management

rogress tracking

Budget monitoring

Reporting

Design review

Manufacturing quality control

Site quality control



In case an EPC approach is selected, our team is experienced in the role of Engineer as per FIDIC.

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Brownfield clinker production line, 6 000 tons of clinker per day, Republic of Türkiye

Tendering, project management, design review and coordination, quality control for manufacturing, site management onstruction and erection supervision for a clinker production line 13 - 2005

Brownfield cement production line 7 000 tons of clinker per day, Kingdom of Saudi Arabia

Tendering, project management, design review and coordination, quality control for manufacturing, site management, construction and erection supervision for a clinker and cement production line, 2005 – 2007

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Greenfield cement production line, 12 000 tons of clinker per day, Republic of Türkiye

Tendering, project management, design review and coordination, quality control for manufacturing, site management, onstruction and erection supervision for a clinker and cement provision line, 2008 - 2011

Brownfield cement production lin 10 000 tons of clinker per day, Kingdom of Saudi Arabia

Additional information on these references will be provided during a meeting.

Engineering consultant for project management, design review, procurement, site management, construction and erection quality control for a clinker and cement production line, 2008 – 2011. Captive power plant as separate contract included in the project.

Brownfield cement production line, 6 000 tons of clinker per day, Kingdom of Saudi Arabia

Engineer for an EPC project following FIDIC terms of contract including design review, procurement supervision, and site supervision for a clinker and cement production line, 2011-2011. Captive power plant as separate contract included in the project.

Greenfield cement production line, 6 000 tons of clinker per day, Kingdom of Saudi Arabia

Tendering for EPC contract following FIDIC terms of contract. Engineer for the EPC contract including design review, procurement supervision and site supervision for a clinker and cement production line, 2011-2013. Captive power plant as separate contract.

Additional information on these references will be provided during a meeting.

Brownfield cement production line, 10 000 tons of clinker per day, Kingdom of Saudi Arabia ACC7

Tendering for EPC contract following FIDIC mms of contract. Engineer including design review, procurement review, site supervision for cement production line, 10 000 t of clinker par day, 2014-2018. Captive power plant included in the project as separate contract.





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