



PROCESS PLANTS



PROCESS ENGINEERING EXPERTS

As process engineering specialists with a broad experience of more than 50 years on rocks, minerals and industrial waste process projects, we are the right technological partner for our customer to handle all the tasks to execute any process plant from design to construction and commissioning.



Turnkey processing plants

Design, supply, construction and commissioning of rock, mineral and industrial waste processing plant. Complete solutions for both wet and dry processing applications that include in-house or third party technologies adapted to the specific requirements of each process.

Customized solutions

Years of experience in process plants design and successful implementation shows our capability to deliver tailor made solutions to customers.

For a process plant project, we work with the customer to evaluate:

- Characterization of raw material
- Specification of finished product
- Production & storage requirements
- Service availability

in order to come up with the most techno economical suitable process.

Characteristics:

- > Inclusion of both in-house and third party technologies that are the most suitable for each operation within the various process stages.
- > Vertical development of the plant, whenever possible, to minimise the use of transport equipment between process operations.
- > Large platforms and accesses for effective machinery supervision and maintenance.
- > Structure construction using bolted steel profiles.
- > Installation of pipes and ducts with different materials and finishing, depending on the process and intended application.
- > Installation of hoppers, tanks, chutes, etc., with anti-wear coating if required by the application.
- > Centralised CCM or CCM localised by stages or operations. A unique control and monitoring centre governed by an HMI and/or SCADA system.
- > Design and construction of equipment, structures, piping, tanks, electrical panels, electrical installation, etc. under EN ISO or EN IEC standards, or other standards if required by the customer.
- > High adaptability to specific customer requirements.



I Mining

Tailing management plants for the rejects obtained during the mineral beneficiation processes. A wide variety of process configurations that combine various technologies in series to obtain a high percentage of dewatered product recovery for subsequent transport and management.



I Industrial minerals

- > Washing and beneficiation plants for the production of special sands for **glass, casting moulds and special applications**.
- > Limestone and silica crushing, drying and classification plants to obtain **sands** for the production of **dry mortar**.
- > Quartz **sand**, feldspar sand and **kaolin** beneficiation plants for the **ceramic products** industry.

I Aggregates

- > Limestone **rock and gravel** crushing and classification plants for lime and cement production processes, etc.
- > Limestone **sand and gravel** crushing and classification plants for concrete production.
- > Special sands washing and classification plants for the production of **special** and prefabricated concrete products, etc.



I Environment

- > Plants for the primary and secondary treatment of effluents from vegetable washing and other **food and agriculture industry** processes.
- > Plants for the conditioning and classification of **CDW** materials and **contaminated soils** for subsequent cleanup and remediation.





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