

Mining and Industry

Resources extraction and transformation

CESEL S.A. is a consulting company with more than 40 years of experience in developing engineering with several integrated disciplines. Its headquarters are located in Peru and it has branches and offices in several Latin American countries. CESEL develops studies, designs and engineering projects; studies, works and assembly supervision; factory inspection; environmental studies and comprehensive management of engineering and construction projects through its twelve operating divisions and six technical departments. The Mining and Industry Division is described as follows:

Services

- Conceptual studies.
- Trade off studies.
- Basic land investigations.
- Pre-feasibility studies.
- Feasibility studies.
- Basic engineering.
- Detail engineering.
- Engineering support during construction.
- Constructibility, interferences and Tie Ins evaluation.
- Procurement services.
- Supervision services.
- Quality assurance during construction (CQA).
- Construction management.
- EPCM comprehensive services.

Software

- Aveva PDMS.
- Smart Plan.
- Tekla structures 18.
- Sidewinder.
- Pipe 2012/Surge.
- CAESAR II.
- Primavera/Hard Dollar.

Mining Areas

- Mineral processing.
- Mineral concentration (copper, gold, iron and polymetals).
- Leaching (copper, gold, silver).
- Pyrometallurgy.
- Mining and metallurgic solid waste management.
- Minig-metallurgic effluent treatment.
- Mine closure plans.
- Mining infrastructure.

Industry Areas

- Basic processing industries.
- Manufacturing industry.
- Food industries.
- Thermoelectric power stations.
- Hydromechanical equipment.



- 1 Andalucita non-metal mineral processing plant. Piura, Peru.
- 2 Curaray fluvial terminal. Loreto, Peru.
- 3 New Piura cement plant. Piura, Peru.
- 4 Lagunas Norte. Ancash, Peru.
- 5 Water treatment plant in Pierina Mine. Ancash, Peru.
- 6 Lagunas Norte Mine leaching PAD. La Libertad, Peru.
- 7 Toquepala SPCC copper filtering plant. Moquegua, Peru.
- 8 Clinker production line N° 3. Arequipa, Peru.
- 9 Toquepala concentration plant. Moquegua, Peru.

Projects

- New Piura cement plant. Work supervision. Piura, Peru.
- Water treatment plants in Lagunas Norte and Pierina mines. Quality control service. Barrick Misquichilca mining company. Ancash, Peru.
- Sea water desalinization plant and treated water supply system for Enersur's Chilca I thermal power plant combined cycle. Basic and detail engineering. Lima, Peru.
- Toquepala concentration plant extension to 120.000 tpd. Feasibility study, basic and detail engineering. Moquegua, Peru.
- El Porvenir and Atacocha concentration plant, from 4900 to 7500 tpd and from 4400 to 5000 tpd, respectively. Basic and detail engineering. Pasco, Peru.
- Mining effluent treatment plants for U.M. Carahuacra (1200 l/s), Andaychagua (450 l/s) AND Mahr Tunnel, Volcan Company. Mining company. Basic engineering. Junin, Peru.
- Andalucita Plant. Andalucita non-metal mineral plant work and assembly supervision, 60.000 t/year. Piura, Peru.
- Clinker production line N° 3. Extension to 4200 TPD. Yura cement plant. Mechanical, electric, instrumentation and control detail engineering and complementary civil engineering. Arequipa, Peru.

