



MINING- ENGINEERING	
Cia. Minera Sayaatoc S.A. Proyecto Sayaatoc	Pre-feasibility study of 15,000 MTPD metallurgical processes plant.
Cia. Minera Coimolache S.A. Proyecto Tantauatay	Feasibility study of 12,000 MTPD metallurgical processes plant.
Cia. Minera Coimolache S.A. Proyecto Tantauatay	Feasibility study of 54 m ³ /h pit and dump acid water treatment plant.
Cia. Minera Coimolache S.A. Proyecto Tantauatay	Feasibility study of complementary services.
Cia. de Minas Buenaventura S.A. Proyecto La Zanja	Economic assessment for different stages of operation Metallurgical process.
Minera Cascaminas S.A.C. Proyecto Cascajal.	Estimated investment for metallurgical processes of 25 MTPD and 100 MTPD – Heap leaching and Merrill & Crowe plant pilot scale.
Sociedad Minera Cambior Perú S.A. Proyecto La Arena.	Capital and operating cost estimates for a 8,000 MTPD and 12,000 MTPD heap leaching plants.
San José de Algamarca Proyecto Algamarca Cajabamba-Cajamarca.	Pre-feasibility study for 10,000 MTPD heap leaching operation
San José de Algamarca Proyecto Algamarca Cajabamba-Cajamarca.	Due Diligence. Technical studies revision and economical assessment.
Cia. Minera Coimolache S.A. Proyecto Tantauatay	Basic engineering of 12,000 MTPD metallurgical processes plant (Heap leaching and Merrill & Crowe).
Cia. Minera IRL S.A. Proyecto Corihuarmi	Detail engineering of 2,700 MTPD metallurgical processes plant Heap leaching and ADR plant (Specialties process, mechanical and piping).
Cia. de Minas Buenaventura S.A. Proyecto La Zanja	Basic engineering for oxides heap leaching and gold recovery in columns with activated carbon. Capacity: 15,000 MTPD.
Cia. de Minas Buenaventura S.A. Proyecto La Zanja	Basic engineering of pit and dump acid water treatment plant.
Cia. Minera Ares S.A. Proyecto planta piloto EW	2.2 m ³ /h electrowinning pilot plant for silver recovery.
Minera Cascaminas S.A.C. Proyecto Cascajal.	Basic engineering of 200 MTPD metallurgical processes plant (Heap leaching and Merrill & Crowe).



Cia. Minera Aurífera Santa Rosa S.A. Proyecto Cochavara	Detail engineering of 12,000 MTPD metallurgical processes plant Heap leaching and ADR plant.
Cia. Minera Aurífera Santa Rosa S.A. Proyecto Sacalla	Detail engineering of 10,000 MTPD metallurgical processes plant Heap leaching and ADR plant.
Cia. Minera Aurífera Santa Rosa Proyecto Santa Rosa	Detail engineering of 6 MT pressuredesorption plant of actived carbon and electrowinning.
Cía. Minera San Simón S. A. Proyecto La Virgen	Basic and detailed engineering for heap leaching and gold recovery plant with activated carbon. Capacity: 4,000 MTPD.
Cía. Minera San Simón S. A. Proyecto La Virgen	Basic and detail engineering for the expansion of plant until 30,000 MTPD
Cia. Minera San Simón Proyecto La Virgen	Detail engineering of 6 MT pressure desorption plant of actived carbon, electrowinning and gas scrubbing.
Consortio Minero Horizonte S.A. Proyecto de recuperación de oro de mineral de baja ley.	Detail engineering of 400 MTPD metallurgical processes plant Heap leaching and ADR plant.
HLC has designed a pilot plant with adsorption resins and recovery by electrowinning	
Minera La Zanja S.R.L. Proyecto La Zanja	Feasibility study and basic engineering of San Pedro Sur and Pampa Verde acid water treatment plants.
Cía. Minera Coimolache S.A. Proyecto Tantahuatay	Feasibility study and basic engineering of complementary services.
Minera Barrick Misquichilca S.A. Proyecto Lagunas Norte	Detail engineering of process plant expansion, Lagunas Norte mine Alto Chicama.
La Arena S. A. Proyecto La Arena	Feasibility study of 24,000 MTPD metallurgical processes plant
Minera La Zanja S.R.L. Proyecto La Zanja	Detail engineering of metallurgical plant, piping: Process and piping
Minera La Zanja S.R.L. Proyecto La Zanja	Detail engineering of water line
La Arena S. A. Proyecto La Arena	Detail engineering of 24,000 MTPD metallurgical processes plant
Minera Barrick Misquichilca S.A. Proyecto Lagunas Norte	Basic engineering of the slag treatment plant.
Cia. Minera Coimolache S.A. Proyecto Tantahuatay	Basic engineering for the expansion of the metallurgical process to 18000 MTPD
Beer Creek Mining Proyecto Santa Ana	Factibility study of 10,000 MTPD metallurgical processes plant



MINING - MANUFACTURE	
Main products manufactured	
1.	Tanks for mining plants and oil fields
2.	Vacuum towers
3.	Drawer pregnant
4.	Coal hoppers
5.	Carbon columns
6.	Smelting furnaces
7.	Retort Furnaces
8.	Clarifiers filters
9.	DSM Filter
10.	Buffer tank
11.	Structures
12.	Pipe and Fittings
13.	Grills and screens
14.	Barges
15.	Samplers
16.	Two-phase separators
17.	Trains of biphasic separation
18.	Manifolds
Qualified and certified manpower	
1.	Boilermakers
2.	Tubers
3.	Welders 3G, 4G, 5G and 6G using processes SMAW, GMAW and GTAW.



MINING - CONSTRUCTION	
Cia. Minera IRL S.A. Proyecto Corihuarmi	2MT actived carbon adsorption plant.
Cia. Minera IRL S.A. Proyecto Corihuarmi	2 MT pressure desorption plant of actived carbon and electrowinning
Cia. Minera IRL S.A. Proyecto Corihuarmi	2 MT chemical reactivation plant of actived carbon.
Cia. Minera IRL S.A. Proyecto Corihuarmi	Cyanide solution preparation plant.
Cia. Minera IRL S.A. Proyecto Corihuarmi	Cyanide detoxification plant
Cia. Minera San Simón Proyecto La Virgen	2 MT and 4 MT actived carbon adsorption plants.
Cia. Minera San Simón Proyecto La Virgen	2 MT alcohol desorption plant of actived carbon and chemical reactivation.
Cia. Minera San Simón Proyecto La Virgen	6 MT pessure desorption plant of actived carbon electrowinning and gas scrubbing. (In progress).
Cia. Minera Aurifera Santa Rosa S.A. Proyecto planta Santa Rosa	1 MT, 2 MT and 4 MT actived carbon adsorption plants.
Cia. Minera Aurifera Santa Rosa S.A. Proyecto planta Santa Rosa	Pressure desorption plant of actived carbon of 6 MT and electrowinning.
Cia. Minera Aurifera Santa Rosa S.A. Proyecto planta Santa Rosa	2 MT alcohol desorption plant of actived carbon and chemical reactivation.
Cia. Minera Ares S.A. Proyecto planta piloto EW	Electrowinning pilot plant.
Cia. Minera San Manuel S.A. Proyecto Cascaminas	20 m ³ /h Merrill & Crowe plant.



Cia. Minera Aurifera Santa Rosa S.A Proyecto recuperación de mercurio en Planta Santa Rosa	Mercury recovery system with retort furnace of 30ft ³
Cia. Minera Aurifera Santa Rosa S.A. Proyecto sistema de lavado de gases en Planta Santa Rosa	Gas furnace scrubbing system
Cia. Minera IRL S.A. Proyecto Corihuarmi	Mercury recovery system with retort furnace of 4.2 ft ³
Cia. Minera IRL S.A. Proyecto Corihuarmi	Melting tilting furnace of 0.3 MT molten metal.
Cia. Minera IRL S.A. Proyecto Corihuarmi	Extraction and gas furnace scrubbing system.
1. Casing installation in pool of big events	
2. 6 tons adsorption column transportation	
3. 6 tons desorption pressure plant	
4. Scrubber system for eletrolytic cells	
5. 42 kg/h carbon thermal regeneration furnace	
6. Piping system connected to the pressure desorption plant.	
7. Work for the Project "Preparation of samples, maintenance and pilot testing in the Physical Testing Laboratory for Bayovar Mineral" .	



INGENIERÍA Y
CONSTRUCCIÓN



MINING METALLURGICAL LABORATORY	
Metallurgical Laboratory provides the following services:	
1. Mechanical preparation	
2. Drying	
3. Particle size análisis (screens of 10 inches to 200 mesh)	
4. Homogenization and quartering	
5. Leaching	
6. Adsorption	
7. Metallurgical control laboratory	
8. Bottle roll tests	
9. Filtering	
10. Effluent detoxification	
11. Adsorptioncapacity test	
12. Desorptiontest	
13. Pilot-scale electroplating	
14. Precipitation test	
METALLURGICAL TEST - MINING	
1. Mechanical preparation of samples: Crusher	
2. Particle size análisis	
3. Flotation tests.	
4. Metallurgical control	
5. Leaching test in short columns	
6. Pilot scale adsorption test with activated carbon columns.	
7. Cyanidation tests on pilotscale columns (in situ)	
8. Electrowining pilot plant.	
9. Cyanidation tests on pilotscale columns (Huachipa Metallurgical Laboratory	
METALLURGICAL TEST - MINING	
Cía. Minera Sayaatoc S.A Proyecto Recreo Amparo	Short columns cyanidation tests.
Cia. Minera Volcan S.A.A.	Cyanidation metallurgical test in laboratory.
Corp. Minera San Manuel S.A. Proyecto San Lorenzo, El Carmen y Chivilca	Agitation and short columns cyanidation tests
Cía. Minera Volcan S.A.A. Proyecto Vinchos Cerro de Pasco	Flotation and cyanidation metallurgical tests in laboratory.
San José de Algamarca Proyecto Algamarca Cajabamba-Cajamarca.	Bottle roll, short columns and large columns pilot scale cyanidation tests.
Cía. Minera San Simón S. A. Proyecto La Virgen Huamachuco-La Libertad.	Bottle roll, short columns and large columns pilot scale cyanide tests.
Cía. Minera Sipán S. A. Mina Sipán	Activated carbon adsorption tests with pregnant solutions.
La Arena S.A. Proyecto La Arena	Muestreo in -situ/ In-situ sampling.
La Arena S.A. Proyecto La Arena	Pruebas de adsorción con carbón activado con soluciones pregnant / Activated carbon adsorption tests with pregnant solutions.