

List of Consultants and Experts for the Brisas Project

Jacobs Engineering	Prepared the Pre-feasibility Study with work scope including preparation of preliminary designs, capital cost estimates, operating cost estimates, implementation plans for the proposed processing facilities, tailings impoundment, utilities and ancillary facilities.
Aker Kvaerner (AK)	Managed the preparation of the Bankable Feasibility Study with work scope including supervision of all metallurgical test work and development of alternative processes and plant capacities. Once the process was selected AK developed flowsheets, P&ID's and design drawings for the materials handling and process facilities. Also prepared technical specifications for the major process equipment and requisitions for the major bulk material packages; obtained bids and prepared the capital and operating costs for these facilities.
Pincock, Allen, and Holt (PAH)	During the Bankable Feasibility Study PAH was responsible for the resource and reserve estimates, mine design, mine production plans, mine operations staffing requirements, estimates of capital/operating costs for the mobile mine equipment and prepared the overall project economic evaluation. Also completed NI 43-101 Technical Reports subsequent to the Feasibility Study.
Vector Colorado (Vector)	During the Bankable Feasibility Study Vector managed the on-site geotechnical exploration including the drilling of water wells, pump tests for these wells, and the geotechnical drilling under the major structure area and the tailings dam. Also prepared detailed design for the tailings dam, sediment control facilities and water diversion
Tetra Tech	Performed a geochemical evaluation of the tailings material, completed a geochemical/geotechnical analysis of the waste rock material and storage facility, and prepared a slope stability study for the open pit utilizing oriented core.
AATA	Prepared the International Environmental and Social Impact Assessment (I-ESIA) for the project. The I-ESIA was designed to conform to good international practice, including guidelines and standards of international financial institutions such as the "Equator Principles". The I-EISA is based on detailed investigations of key physical, chemical, biological, and social attributes of the project site and its environs. Environmental baselines studies were carried out in both the wet and dry seasons. The study also incorporates results from public consultation, community engagement, and community development initiatives. AATA established a meteorological recording station at
SNC Lavalin	SNC Lavalin was selected as the EPCM consultant for the Brisas project and was hired to manage the project through construction. Work completed included detailed designs of all items within the EPCM Contractor Scope of Work including the tailings dam design, materials handling facilities, process facility, truck shop, warehouse, office administration complex, electrical power line and substation, man camp, site earthworks, pit dewatering, etc. Ordered and procured long lead items and entered into contracts for initial earthworks activities.
MICON International	MICON completed an independent review of all technical aspects of the Brisas project including Geology, Mining, Resources/Reserves, Metallurgy/Processing, Geotechnical, Waste Management, Infrastructure, Environmental/Social, Project Implementation, Capital/Operating Costs and Economic Analysis.
A.R. MacPherson	Grinding Circuit Design Analysis
Aerografias de Venezuela	Aerial Photos
Altamira - M. Springett	Data Collection Review
Applied Petrographics	Petrographic Examination
Behre-Dolbear & Co.	Ore Reserve Data Collection Audit and Ore Reserve Technical Review
BGC Engineering	Open Pit Slope Stability Study
Cominco Engineering Services Limited (CESL)	Metallurgical testwork for gold/copper recovery from High Pressure Oxidation of Copper Con
CyPlus	Cyanide Destruction Testwork
Cyril E. Huber	Electrical and Power Requirement Analysis
DJB Consultants Inc.	Comminution Testwork
Eli Robinsky Associates Ltd.	Tailing Disposal Study
Erik Devuyst	Review of Cyanide Destruction Testwork and Design Criteria
Fideicomiso Alianza para el Campo de Oaxaca (FAPCO)	Feasibility Study and Design for Concentrate Storage and Load Out Facilities
Geoexpert	Geophysical Surveys
Globo De Plomo	Thin Section Analysis
Golder Associates Inc.	Tailings Characterization Testwork
Hazen Research, Inc	Mineralogical Investigation and Process Development Study
Hydro-Triad	Seismic Risk Analysis and Hydrogeologic Analysis
Inco Technical Services Limited	Cyanide Destruction Testwork
Ingenieria Caura	Venezuelan Environmental and Social Impact Assessment
JFStanley	Assay Laboratory Pre-Engineering Specifications
John Abel, Jr.	Open Pit Slope Stability Study
Lakefield Research	Metallurgical Testwork
Lloyd Geophysics Inc.	IP Survey

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Lyntek Incorporated	Early Stage Feasibility Study
M. Smith, J. Swaisgood, & Dr. N. Morenstern	Tailings Dam Review Panel
Marston & Marston	Ore Reserve Estimation and Mine Planning/Production Scheduling, Waste Characterization Modeling
McClelland Laboratories, Inc.	Flotation and Cyanidation Testwork
Mehrdad Nazari - PRIZMA	Social Programs and Sustainability Report; Conducted Local Public Consultations
Micon	Independent Review of all Technical Aspects of the Brisas project
Min Scan	Petrography Analysis
Mine Reserves Associates, Inc.	Ore Reserve Technical Review
MinnovEX Technologies, Inc.	Grinding Circuit Design Analysis
Neil Seldon & Associates Limited	Review of Smelting Charges and other Offsite Costs
O.T.D. S.G.A.	GPS Survey Study
Pocock Industrial Inc.	Gravity Circuit Testwork and Pulp Rheology Studies
RDI	Process Development Program Study
Russ Honea	Polished Section Examination of Concentrates
SGS Lakefield Research Limited	Acid Base Accounting Analysis, Mineralogical Investigation, Metallurgical Analysis and Process Design Studies, Environmental Characterisation of Tailings
Spectrum Petrographics, Inc.	Petrographic Examination
The Soil Resource Group	Erodibility of the Mine Tailings Analysis
Val D'OR Geophysique	Geophysical Test Surveys
Water Management Consultants, Inc.	Groundwater Assessment and Pit Dewatering Study
Westec	Hydrologic Characterization