JEFFREY SMITH, P.E.

jsmith@themacresourcesgroup.com

PROFESSIONAL HISTORY	
 Themac Resources New Mexico Copper Corp – Albuquerque, NM Chief Operating Officer ('13 – current) Feasibility Study Manager ('13) 	2013 - Current
Jeffrey Smith, P.E. – Tucson, AZ • Self Employed, Mining and Construction Consulting Services	2009 - 2013
Pan American Silver Corporation – Sonora, Mexico • General Manager, Alamo Dorado Mine & Mill	2008 - 2009
Gila Management LLC – Tucson, AZ • Managing Member, Construction Management Services	2003 - 2008
Jeffrey Smith, P.E. – Tucson, AZ • Self Employed, Mining and Construction Consulting Services	2002 - 2003
 Coeur d'Alene Mines Corporation – Coeur d'Alene, ID Chief Operating Officer, Earthworks Technology Inc. ('01) Vice-President, North American Operations ('00 – '01) Vice-President and General Manager, Coeur Rochester Inc. ('98 – '00) 	1998 - 2001
Stanford University Graduate School of Business • M.Sc., Management	1997 - 1998
 Echo Bay Minerals Company – Battle Mountain, NV General Manager, McCoy/Cove Operation ('94 – '97) General Superintendent, McCoy/Cove Operation ('93 – '94) Mine Superintendent, McCoy/Cove Operation ('92 – '93) Pit Maintenance Superintendent, McCoy/Cove Operation ('91 – '92) Pit Operations General Foreman, McCoy/Cove Operation ('89 – '91) Chief Mine Engineer, McCoy/Cove Operation ('87 – '89) 	1987 - 1997
 Other Whitney & Whitney, Consulting Engineer ('86-'87) Nevex Gold Company, Project Engineer/Superintendent ('85-'86) Fischer-Watt Mining Company, Project Engineer/Superintendent ('83-'85) Quintana Minerals Company, Mine Engineer ('80-'83) Fluor Mining and Metals, Inc., Consulting Engineer ('79-'80) 	1979 - 1987
University Of Arizona B.Sc., Mining Engineering	1976 - 1979



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EDUCATION AND TRAINING

- M.Sc. Management, Stanford University Graduate School of Business
- B.Sc. Mining Engineering, University of Arizona

CERTIFICATIONS AND MEMBERSHIPS

- Registered Professional Engineer, Arizona & Nevada
- Registered Member, Society for Mining, Metallurgy and Exploration
- Past Memberships
 - o Pershing County Nevada Economic Development Authority
 - o Humboldt River Basin Water Authority (Nevada)
 - o Nevada Mining Association Board Member

Bio

A Licensed Professional Engineer with Degrees in Mining Engineering and Management. Forty years of experience in mine and project planning, construction management, and mine operations management. Capabilities include engineering and design; project development; construction; operation management; economic analysis; cost controls and management; contracts; and regulatory affairs. Past employment includes mine engineer for the Quintana Minerals Copper Flat Mine from 1980 to 1983. Recent experience includes:

- Project Manager for Feasibility Study of a new open pit mine with grinding-flotation recovery of silver and base metals (Argentina). Responsible for coordinating and directing mine and process plant engineers to meet owner requirements, developing capital and operating cost estimates, construction schedule, construction and operating manpower schedules, mine equipment, reviewing plans and specifications, and developing plans for kicking off construction activities including camp, project infrastructure, and logistics. Conducting constructability and value engineering reviews. Capital cost of project currently estimated at \$950,000,000 (2012).
- Project Engineer for detail design and construction planning for a 3,500 TPD grinding-flotation recovery plant, dry stack tailings, and associated surface infrastructure to support a new underground base and precious metal mine (Guatemala). Reviewing plans to providing operating, maintenance and safety input to design engineer. Completing cost analysis, constructability and value engineering reviews. Working engineer's procurement team to develop equipment specifications for bidding, analyzing bids and preparing purchase recommendations to the project owner. Capital cost of project currently estimated at \$230,000,000 (2012).
- General Manager, Alamo Dorado Mine (Mexico). Responsible for small mine and grind-whole ore leach facility producing 5 million oz silver annually. 220 employees; \$40,000,000 annual operating budget; \$2,000,000 annual capital budget. Developed annual operating and capital budgets, operating plans, production schedules. Responsible for planning, developing, constructing and commissioning capital projects at mine site. (2008-2009).

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- Project Manager for construction of new water, sewer and office facilities and the expansion of a tailings impoundment for an underground gold mine in Venezuela. Completed constructability reviews to prepare final construction plans. Developed construction schedules, capital budgets and contractor bid packages. Completed bid evaluations and advised the owner regarding contractor negotiations and selection. Set up and implemented a construction management control system. Total Project Value = \$60,000,000 (2006).
- Supplied Construction Management Services to re-grade, cover and close a Western U.S. mill tailings facility to meet terms of a USEPA consent order agreement. Coordinated with design engineer to achieve necessary construction and material specifications. Successful closure of the facility has been acknowledged by EPA. Total Project Value = \$25,000,000 (2005).
- Project Manager/Construction Manager of the City of Bisbee Wastewater System Improvement Project, which replaced or expanded the City's sewer system and provided a new sequencing batch reactor treatment facility. Responsible for project planning, design, budgeting, scheduling, permitting, and administration tasks. Achieved project certification from the Border Environmental Cooperation Commission, a bi-national board representing U.S. and Mexico federal and state agencies, a step necessary to receive federal grants and loans. Advanced the project from initiation of engineering and design to construction readiness in two years. Managed the bid process for the construction services contract and advised the Owner regarding contractor selection. Following successful completion of the planning phase, bid on and won the contract for construction management. Managed contracts for construction services, construction support services, and equipment supply. Ran weekly project meetings and special meetings to address project needs. Prepared monthly project reports for City and Federal Agencies. Managed change orders and issued contractor field directives. Maintained project records to successfully defend against muliti-million dollar claims from the contractor. Completed construction 1 year ahead of schedule and on budget. Total Project Value = \$35,000,000 (2002 2006).
- Vice President of North American Operations, Coeur d'Alene Mines (Idaho). Responsible for multiple mines producing base metal concentrates and precious metals. 600 employees; \$100,000,000 annual operating budget, \$40,000,000 capital budget. Developed annual operating and capital budgets, operating plans, production schedules. Responsible for planning, developing, constructing and commissioning capital projects at mine sites, corporate business development activities and corporate ore reserve committee. (2000-2001).
- General Manager, Coeur Rochester Mine (Nevada). Responsible for 100,000 tpd open pit and 20,000 tpd heap leach processing facility producing 7 million oz silver annually. 280 employees; \$60,000,000 annual operating budget; \$20,000,000 annual capital budget. Developed annual operating and capital budgets, operating plans, production schedules. Responsible for planning, developing, constructing and commissioning capital projects at mine site. (1998-2000).
- General Manager, McCoy Cove Mine (Nevada). Responsible for 165,000 tpd open pit, 10,000 tpd grinding-flotation mill and 25,000 tpd heap leach processing facility producing 350,000 oz gold and 12 million oz silver annually. 500 employees; \$100,000,000 annual operating budget; \$30,000,000 annual capital budget. Developed annual operating and capital budgets, operating plans, production schedules. Responsible for planning, developing, constructing and commissioning capital projects at mine site. (1994-1997).