

## Study Services

Year	Client	Project	Location	Completion Year	Ore	Process	STUDIES		CAPEX	OTHER	
							Feasibility Input	Feasibility Study Mgr	Project Capital Costs	Project Scheduling	Contract Prep., Bids, & Awards
2018	Copper Mountain Mining Corp.	Eva Copper Project	Australia	2018	Copper_Gold		●		●		
2018	Serengeti Resources Inc.	Kwanika Copper Project	Canada & Arctic	2019	Copper_Gold		●	●	●	●	
2016	Continental Gold	B' 1 330 Project Services	Central & S America	2020	Gold					●	
2016	Twin Metals Mining	Business Case 2016 Capex	USA	2018	Copper_Gold		●		●	●	
2015	Canadian Zinc Corporation	Prairie Creek Project Capex Review	Canada & Arctic	2015	Zinc_Copper_Lead	Mill			●	●	
2014	AngloGold Ashanti	Confidential CAPEX Review	confidential	2014	Gold				●	●	
2014	Avanti Mining Inc.	Kitsault Moly CM	Canada & Arctic	2015	Moly		●		●	●	
2014	BMC Westralia Ltd.	Kutcho Copper Project	Canada & Arctic	2014	Copper_Gold		●				
2014	Copper North	Carmacks Project Review	Canada & Arctic	2014	Copper_Gold	Heap Leach / SX-EW	●		●	●	
2014	Dundee Precious Metals	Krumovgrad Gold Project Pre-Construction	Europe	2015	Gold					●	
2014	LaFarge Cement	Exshaw Plant Expansion	Canada & Arctic	2015	Miscellaneous	Mill				●	
2013	Copper Mountain Mining Corp.	Secondary Crusher Project	Canada & Arctic	2014	Copper_Gold					●	●
2013	Ontario Graphite Ltd.	Kearney Mine Restart Project	Canada & Arctic	On Hold	Coal_Graphite_Iron	Mill				●	●
2012	AQM Copper	Zafranal Copper Project PFS	Central & S America	2012	Copper_Gold	Heap Leach / SX-EW	●		●	●	
2012	EMED Mining	Project Rio Tinto Restart	Europe	2012	Copper_Gold	Heap Leach / SX-EW			●	●	
2012	HudBay Minerals	Lalor Project Review	Canada & Arctic	2013	Copper_Gold	Heap Leach / SX-EW	●		●	●	
2012	Kiska Metals	Whistler Project	USA	2012	Copper_Gold		●		●		
2012	Labrador Iron Mines	Houston Project Plant Study	Canada & Arctic	2012	Coal_Graphite_Iron	Mill					
2012	Rainy River Gold Corp.	Rainy River Project FS	Canada & Arctic	2012	Gold		●				
2012	Trevali Mining	Santander Project	Central & S America	2012	Zinc_Copper_Lead	Mill				●	
2011	Inmet Mining	Mina De Cobra Panama Project	Central & S America	2011	Copper_Gold					●	
2011	Jayden Resources	Silver Coin Project Pre Development	Canada & Arctic	2011	Silver_Tin				●		
2011	Kinross Gold Corporation	Dvoynoye Gold Project	Europe	2011	Gold					●	
2011	Nevada Copper Corp.	Pumpkin Hollow Shaft Support Work	USA	2012	Copper_Gold				●		
2011	Norsemont Mining	Constancia Copper CAPEX Review	Central & S America	2011	Copper_Gold				●		
2011	Summit Coal	Summit Coal Project CM	Canada & Arctic	2013	Coal_Graphite_Iron				●		
2011	Thompson Creek	Confidential CAPEX Review	confidential	2011	Gold				●		
2011	Victoria Gold Corp.	Eagle Gold 2011 & 2016 FS	Canada & Arctic	2016	Gold		●		●		
2010	Crocodile Gold	Cosmo Project	Australia	2010	Gold		●				
2010	Kinross Gold Corporation	Fort Knox Expansion Project	USA	2012	Gold				●	●	
2010	North American Tungsten	Cantung Plant Evaluation	Canada & Arctic	2010	Miscellaneous		●				
2010	Resource Capital	Confidential Plant Evaluation	confidential	2020	Miscellaneous		●				
2010	Tyhee Development Corp.	Yellowknife Gold Project	Canada & Arctic	2010	Gold		●		●		
2010	Yellowhead Mining	Harper Creek FS	Canada & Arctic	2012	Copper_Gold		●	●			
2009	Copper Mountain Mining Corp.	Copper Mountain Project	Canada & Arctic	2011	Copper_Gold	Mill				●	●
2009	Federal Government	Giant Mine Reclamation Project	Canada & Arctic	2014	Reclamation		●			●	
2009	North American Tungsten	Mactung Project	Canada & Arctic	2010	Miscellaneous				●		
2009	Yukon Government	Faro Mine Remediation Project	Canada & Arctic	2010	Reclamation		●			●	
2008	Kinross Gold Corporation	Maricunga	Central & S America	2010	Gold	Mill Expansion			●		
2008	Kinross Gold Corporation	Buckhorn Mountain Project	USA	2010	Gold	Mine Expansion					●
2008	Selwyn Chihong (Selwyn Resources)	FS and 2011 & 2013 FS updates	Canada & Arctic	2013	Zinc_Copper_Lead	Mill	●		●		●
2007	Barrick Gold	Confidential CAPEX Review	confidential	2015	Gold	Mill			●		
2007	Bellavista Copper & Gold Inc.	Bellvista Plant Evaluation	Central & S America	2007	Copper_Gold		●				
2007	Corriente Resources Inc.	Panantz San Carlos Project	Central & S America	2008	Copper_Gold	Mill	●		●		
2007	Miramar Hope Bay Ltd.	Con Mine Equipment Inspection	Canada & Arctic	2007	Gold		●				
2007	Nuiphaovica	Nui Phao Project (Vietnam)	Asia	Suspended	Miscellaneous	Mill				●	●
2007	Skye Resources	Fenix Project CAPEX	Central & S America	Suspended	Nickel	Mill			●		
2007	Sunridge Gold Corp.	Debarwa VMS Project Capex	Africa	2007	Copper_Gold	Mill			●		
2007	Teck Cominco	Galore Creek	Canada & Arctic	2007	Copper_Gold		●				
2007	Yukon Zinc Corporation	Wolverine Zinc Project	Canada & Arctic	2012	Zinc_Copper_Lead	Mill	●		●	●	●
2006	Atlantic Gold	Touquoy Gold Project CAPEX	Canada & Arctic	2006	Gold				●		
2006	Banpu (Asian American)	Gaohe Coal Project	Asia	2012	Coal_Graphite_Iron	Coal / Washplant			●	●	
2006	bcMetals Corporation	Red Chris Copper-Gold FS	Canada & Arctic	2006	Copper_Gold	Crushing, Grinding, Flotation			●	●	●
2006	Diavik Diamond Mine	Diavik Diamond Mine Expansion	Canada & Arctic	2012	Diamonds				●	●	●
2006	Quadra Mining	Carlota Project	USA	2009	Copper_Gold	Heap Leach, SX-EW			●	●	●
2006	Terrane Metals Corp.	Mt. Milligan Project FS	Canada & Arctic	2007	Copper_Gold	Mill	●		●	●	●
2006	Tournigan Gold Corporation	Kremnica Gold Project	Europe	2006	Gold				●		
2006	TVI Pacific Inc.	Canatuan Project	Asia	2007	Zinc_Copper_Lead						●
2005	Candente Resources	Canariaco Project FS Mgmt	Central & S America	2009	Copper_Gold	TBA	●		●	●	
2005	Cumberland Resources	Meadowbank Project CAPEX	Canada & Arctic	2005	Gold		●		●	●	
2005	Pacifica Resources	Selwyn (Howards Pass) Scoping Study	Canada & Arctic	2007	Zinc_Copper_Lead		●		●	●	
2005	Placer Dome	Pueblo Viejo CAPEX Review	Central & S America	2005	Gold	Open Pit	●		●	●	
2005	Redcorp Inc.	Tulsequah Chief Project	Canada & Arctic	2008	Miscellaneous		●		●	●	
2004	Bethlehem Resources	Goldstream Project Plant Study	Canada & Arctic	2004	Copper_Gold	Crushing, Grinding, Flotation			●	●	
2004	Constellation Copper	Lisbon Valley Project	USA	2006	Copper_Gold	Crushing, Conveying, SX-EW, Heap Leach			●	●	●
2004	Constellation Copper	Tonapah Copper Plant Dismantling	USA	2005	Copper_Gold	Crushing, SX-EW			●	●	●
2004	Corriente Resources Inc.	Mirador Project Capex, FS & Power Plant	Central & S America	2010	Copper_Gold	Mill	●		●	●	●
2004	Falls Mountain Coal Inc.	Willow Creek Coal Project	Canada & Arctic	2005	Coal_Graphite_Iron				●	●	●
2004	Glamis Gold Ltd.	Marlin Gold Project	Central & S America	2004	Gold	Crushing, Grinding, CIP			●	●	●
2004	Glamis Gold Ltd.	EI Sauzal Gold Project	Mexico	2002	Gold	Crushing, Conveying, CIL, CIP	●				
2003	Cochenour Mine	Reclamation Project	Canada & Arctic	2005	Reclamation	Reclamation			●		

## Study Services

Year	Client	Project	Location	Completion Year	Ore	Process	STUDIES		CAPEX	OTHER		
							Feasibility Input	Feasibility Study Mgr	Project Capital Costs	Project Scheduling	Contract Prep., Bids, & Awards	Capitl Eqpt & Mat'l Procurement & Expedite
2003	Goldcorp Inc.	Cochenour Mine Bio-Reaction Tailings	Canada & Arctic	2005	Reclamation	Reclamation			●			
2003	Leader Mining	Cogburn Magnesium Project	Canada & Arctic	2003	Miscellaneous		●					
2002	Crew Development Corp.	Nalunaq Project FS	Canada & Arctic	2003	Gold	Mining & Process	●		●	●	●	
2002	EuroZinc	Aljustrel Project FS	Europe	2002	Miscellaneous	Crushing, Grinding, Flotation, Drying	●		●	●	●	●
2002	Golden Reward Mining	Reclamation Project	USA	2002	Reclamation	Reclamation	●		●			
2001	Compliance Coal Corp.	Basin Coal Project	Canada & Arctic	2005	Coal_Graphite_Iron	Washplant	●		●	●		
2001	Minera Yanacocha S.R.L.	Yanacocha Carbon Plant	Central & S America	2001	Gold	Carbon Plant	●		●			
2001	Newmont Mining Corp.	Phoenix Gold Project FS	USA	2001	Gold		●		●			
2001	Zarafshan-Newmont	Muruntua Project	Europe	2001	Gold	Plant Expansion Conveyor	●		●	●		
2000	Copper Ridge	Howards Pass Scoping Study	Canada & Arctic	2001	Zinc_Copper_Lead	Crushing, Grinding, Press Ox, Flot, Leach/Electrowin	●		●			
2000	Corriente Resources Inc.	Copper Belt Scoping Study	Central & S America	2000	Copper_Gold	Crushing, Conveying, Grind, Flot	●		●	●		
2000	Gibraltar	Gibraltar Expansion FS	Canada & Arctic	2001	Copper_Gold	Crushing, Grinding, Flotation, Sx-Ew	●					
2000	Goldcorp Inc.	Red Lake Mine Expansion Projects	Canada & Arctic	2007	Gold	Shaft, Sinking, Truck Dump, Conveying, Crushing, Grinding, CIL			●	●	●	●
2000	Manhattan Minerals	Tambo Grande FS	Central & S America	2001	Copper_Gold	Crushing, Grinding, Leaching, Merrel Crowe	●		●	●		
2000	North American Palladium	Lac des Iles FS	Canada & Arctic	2000	Miscellaneous	Crushing, Grinding, Flotation, Drying	●		●	●		