

EPCM's 'SP' (Superior Performance) Cathode shown above ensures: low voltage drop, excellent electrical performance corrosion resistance, superior productivity, and long lifecycle.



NEW PROJECTS

Year	Project	Quantity	Type
2000	Codelco - Radomiro Tomic	16,000	Sheathed Cathode
2000	Codelco - Radomiro Tomic	7,500	Sheathed Cathode
2001	Xstrata - Tintaya	6,900	Sheathed Cathode
2001	Disputada - Los Bronces	4,080	Standard Cathode
2001	Codelco - Radomiro Tomic	2,700	Sheathed Cathode
2002	Codelco - Chuquicamata Modernization	132,000	Sheathed Cathode
2003	Bio - Cobre	1,420	Standard Cathode
2004	LS-Nikko Refinery #1	45,000	Sheathed Cathode
2005	Nornanda - CCR	1,915	Sheathed Cathode
2006	Escondida Sulphide	22,979	Sheathed Cathode
2006	Jinlong	20,200	Sheathed Cathode
2007	Enami - Taltal	1,600	Sheathed Cathode
2007	Codelco - Gaby	31,130	Sheathed Cathode
2007	LS-Nikko Refinery #1 Expansion	6,000	Sheathed Cathode
2007	China Gold	3,500	Sheathed Cathode
2007	BHP- Billiton Maganese Metal Company	188	Sheathed Cathode
2007	Chemaf SPRL	2,560	Standard Cathode
2007	Jinlong	15,000	EPCM "SP" Cathode
2007	Kamoto Operating SPRL	6,000	Standard Cathode
2007	RioZim	400	Standard Cathode
2007	Gaby	31,130	Sheathed Sealed
2008	Jinlong	15,000	EPCM "SP" Cathode
2009	Xstrata Lomas Bayas	1,600	Standard Cathode
2009	Enami Vallenar	200	EPCM "SP" Cathode
2009	Codelco Chuquicamata	1000	EPCM "SP" Cathode
2009	Biocoobre	547	Standard Cathode
2009	Anglo American Manto Verde	1,200	Standard Cathode
2009	Metallo Chimique	5,400	EPCM "SP" Cathode
2009	Jinlong	5,000	EPCM "SP" Cathode
2009	Zijin	38,880	EPCM "SP" Cathode
2009	Miduk Heap Leaching	5,000	EPCM "SP" Cathode
TOTAL		408,469	

SPARE CATHODE ORDERS

Year	Project	Quantity	Type
2001 thru 2007	Escondida Oxide	21,918	Standard Cathode
2001 thru 2007	Escondida Sulphide	1,568	Standard Cathode
2001 thru 2007	Anglo American - Sta. Barbara	7,256	Standard Cathode
2001 thru 2007	Anglo American - Mantoverde	1,804	Standard Cathode
2001 thru 2007	Xstrata - Lomoas Bayas	1,062	Standard Cathode
2001 thru 2007	Collahuasi	1,920	Standard Cathode
2001 thru 2007	Phelps Dodge - El Abra	13,961	Standard Cathode
2001 thru 2007	Codelco - Radomiro Tomic	23,008	Sheathed Cathode
2001 thru 2007	Codelco - Chuquicamata SBL	1,557	Standard Cathode
2001 thru 2007	Codelco - Chuquicamata Oxide	3,353	Standard Cathode
2001 thru 2007	Minera Andacollo	125	Standard Cathode
2001 thru 2007	Minera Michilla	632	Standard Cathode
2001 thru 2007	BHP- Billiton Cerro Colorado	3,699	Standard Cathode
2001 thru 2007	Minera Tesoro	913	Standard Cathodes
2001 thru 2007	Xstrata - Tintaya	280	Sheathed Cathode
2001 thru 2007	Disputada - San Francisco	1,619	Standard Cathode
2001 thru 2007	Disputada - Los Bronces	669	Standard Cathode
2001 thru 2007	Sierra Miranda	430	Standard Cathode
2001 thru 2007	Minera Zaldivar	6,848	Sheathed Cathode
2001 thru 2007	Minera Cemin	50	Standard Cathode
2001 thru 2007	Southern Peru	126	Standard Cathode
TOTAL		92,798	

Your Winning Solution



EPCM has over 15 years of experience in the copper electrorefining and electrowinning industry, involving technology development, marketing, procurement, engineering and project management for technology supply to over 25 new and modernization projects. These plants today produce approximately 4 million tonnes of copper.

REFINERIES

		Capacity: T/Y	Stripping Machines	Cathodes
Kennecott Utah Copper	1994	280,000	2 @ 500	66,500
Grupo Mexico	1997	300,000	2 @ 500	66,010
LG-Nikko Refinery #2	1997	180,000	1 @ 500	29,250
Noranda CCR Refinery	1998	360,000	3 @ 500	82,000
LG-Nikko Expansion	2001	40,000	--	7,500
Codelco - Chuquicamata	2002	870,000	4 @ 500	132,000
LS-Nikko Refinery #1	2005	275,000	2 @ 480	45,000
Jinlong	2007	100,000	1 @ 480	20,500
Jinlong Expansion	2008	75,000		15,000
Jinlong Expansion	2009	25,000		5,000
LG-Nikko Ref #2 Expansion	2008	30,000		6,000
Metallo-Chimique	2009	30,000	1 @ 180	5,400
Yanggu Xiangguang Copper	2009	200,000	2 @ 500	5,000
Zijn Copper	2009	200,000		38,880
TOTAL		2,965,000		519,040

ELECTROWINNING PLANTS

Empresa Minera de Mantos Blancos - Mantoverde	1995	40,000	1 @ 300	9,000
- Santa Bárbara	1995	40,000	1 @ 300	9,500
Compañía Minera Carmen De Andacollo	1996	20,000	1 @ 60	3,970
Sociedad Contractual Minera EL ABRA	1996	225,000	2 @ 500	46,200
Asarco Inc. - Silver Bell	1997	16,600	1 @ 120	3,680
Codelco - Radomiro Tomic	1997	180,000	2 @ 500	42,475
Compañía Minera Gibralter Lomas Bayas	1998	60,000	1 @ 300	11,160
Compañía Minera Dona Inés de Collahuasi	1998	55,000	1 @ 350	11,480
Minera Escondida Ltda.	1998	137,000	2 @ 350	27,720
Minera Maria S.A. de C.V.	1999	25,000	1 @ 125	5,130
BHP Tintaya S.A.	2000	35,000	1 @ 150	6,900
Inco Limited	2000	10,900	1 @ 125	*
Disputada Los Bronces	2000	17,800	1 @ 125	4,080
Codelco-Radomiro Tomic Expansion	2000	75,000	1 @ 500	16,320
Escondida Sulphide Project	2005	180,000	2 @ 500	25,000
Mantos de la Luna	2005	20,000	1 @ 60	
Codelco Gaby Project	2007	150,000		30,000
China Gold	2007	20,000		3,400
Kamoto Operating SPRL	2007	30,000		6,000
Miduk Heap Leaching	2009	5,000	1 @ 60	1,000
TOTAL		1,342,300		263,015

In addition to the above copper related projects, EPCM enjoys a 30 year history of Engineering, Procurement and Construction Management Services in the heavy industrial process sector.