

## Заводы по производству алюминия и магния

Заказчик	Местоположение	Применение	Технология	Выходные данные	Год
Stanwell Magnesium Project	Quensland, Aus.	E-Chem - Magnesium	DC SCR	220,000kW, 185000A, 950Vdc	2002
Magnola	Quebec	E-Chem - Magnesium	DC SCR (D)	179,400kW, 690Vdc,260kAdc	1998
Saftronics	So. Africa	DC Arc - Aluminum Dross Process	DC Harmony	1333kW, 400 Vdc,4.2 kAdc	1998
Alcan	Quebec	E-Chem - Aluminum	DC Diode (D)	68,250 kW,650Vdc,105 kAdc	1997
THT P res s es	US / OH	DC Supply - Magnesium Melting	DC Darlington	200kWdc	1997
Noranda	Missouri	E-Chem - Aluminum	DC SCR (D)	880kW, 40Vdc,22kAdc	1994
Lauralco Aluminum	Quebec	E-Chem - Aluminum	DC SCR	1750 kW, 70 Vdc,25kAdc	1991
PEC (Callidus) - PPC, WVA	US / OK	Plasma Torch - Aluminum Reclamation	DC SCR	2700 kW,540Vdc,5kAdc	1990
Alcan (Phase III)	Quebec	E-Chem - Aluminum	DC Diode	298,200 kW, 1065 Vdc, 260kAdc	1989
Alcan (Phase I)	Quebec	E-Chem - Aluminum	DC Diode	298,200 kW, 1065Vdc, 260kAdc	1988
Portland Smelter Serv.	Australia	E-Chem - Aluminum	DC Diode	336,455 kW, 920 Vdc, 366kAdc	1987
Almino S.A. de C.V.	Mexico	E-Chem – Aluminium	DC Diode	7776kW,700Vdc,3.8kAdc	1984
Reynolds Metals	Quebec	E-Chem – Aluminium	DC Diode	268,800kW,1120Vdc,240kAdc	1984
Reynolds Metals	Quebec	E-Chem – Aluminium	DC Diode	268,800kW,1120Vdc,240kAdc	1984
Reynolds Metals	Quebec	E-Chem - Alumimum	DC Diode	140,000 kW,700Vdc,200kAdc	1981
Intalco Aluminum	US / WA	E-Chem - Aluminum	DC Diode	25,000 kW,1000Vdc,25kAdc	1981
Kaiser Aluminum	US / LA	E-Chem - Aluminum	DC Diode	18,560 kW, 580 Vdc, 32 kAdc	1981
Alcan	Quebec	E-Chem - Aluminum	DC Diode	136,500 kW, 650Vdc, 210 kAdc	1981
Kurri Kurri	Australia	E-Chem - Aluminum	DC Diode	1500 kW, 50 Vdc, 30 kAdc	1980
Alcan	Quebec	E-Chem - Aluminum	DC Diode	144,000 kW, 1000 Vdc, 144 kAdc	1980
Alcan	Quebec	E-Chem - Aluminum	DC Diode	144,000 kW, 50 Vdc, 280 kAdc	1980
Alcan	Quebec	E-Chem - Aluminum	DC Diode	136,500 kW, 650 Vdc,210	1980
Alcan	Quebec	E-Chem - Aluminum	DC Diode	144,000 kW, 1000Vdc, 144 kAdc	1979
Alcan	Quebec	E-Chem - Aluminum	DC Diode	11,200 kW, 700 Vdc, 16 kAdc	1979
Alcan	Quebec	E-Chem - Aluminum	DC Diode	136,500 kW, 650 Vdc, 210kAdc	1978
Alcan	Quebec	E-Chem - Aluminum	DC Diode	108,000 kW, 750 Vdc, 144kAdc	1978
Alcan	Quebec	E-Chem - Aluminum	DC Diode	108,000 kW, 750 Vdc, 144kAdc	1978
Alcan	Quebec	E-Chem – Aluminium	DC Diode	100,800kW,700Vdc,144kAdc	1975
Alcan	Quebec	E-Chem – Aluminium	DC Diode	153,600kW,800Vdc,192kAdc	1974
Alcan	Quebec	E-Chem – Aluminium	DC Diode	158,400kW,825Vdc,192kAdc	1974
Alcan	Quebec	E-Chem – Aluminium	DC Diode	12,800kW,1000Vdc,12.8kAdc	1973
Alcan	Quebec	E-Chem – Aluminium	DC Diode	32,000kW,1000Vdc,32kAdc	1973
Alcan	Quebec	E-Chem – Aluminium	DC Diode	64,000kW,800Vdc,80kAdc	1973
Alcan	Quebec	E-Chem – Aluminium	DC Diode	11,775kW,785Vdc,15kAdc	1973

# Электрохимия и металлургия

Заказчик	Местоположение	Применение	Технология	Выходные данные	Год
Doe Run Peru	Lima, Peru	E-Chem - Zinc	DC IGBT	23,800kW, 800Vdc, 28,000Adc	2002
Umicore	Belgium	E-Chem – Zinc	DC SCR	66,000kW,600Vdc,110kAdc	2002
West Coast PaperIndia	India	E-Chem – Chlorine	DC-SCR	1,800kW, 80Vdc, 22,5kAdc	2002
National Jordan Chlorine	Jordan	E-Chem - Chlorine	DC-SCR	2,940kW, 210dc,14,0kAdc	2002
Grupo Mexico	Mexico	DC Supply - EW-SX	DC Harmony	8,400kW, 280Vdc,30kAdc	2000
CE Minerals	US / TN	DC Supply - Quartz	DC SCR	1750kW,1000Vdc,2.5kAdc	2000
Wright Patterson AFB / HVM	US / OH	DC Supply - Static Exciter	DC IGBT	37,5kW, +/-250Vdc, +/-150 Adc	1999
Wright Patterson AFB / HVM	US / OH	DC Supply - Static Exciter	DC IGBT	37,5kW, 250Vdc, 150 Adc	1999
GW Associates (Doe Run)	Peru	E-Chem - Zinc	DC IGBT	3 x 300Adc & 1 x 1000Adc	1999
CXY Chemicals	US / BC	E-Chem - Chlorate	DC SCR (D)	14,880kW,310Vdc,48kAdc	1998
Met-Mex Penoles	Mexico	E-Chem - Zinc	DC Diode (D)	72,000kW, 360Vdc,200kAdc	1998
Met-Mex Penoles	Mexico	E-Chem - Zinc	DC Diode (D)	72,000kW, 360Vdc, 200kAdc	1998
Eisenmann (FORD)	US / IL	DC Supply - E-Coat	DC Harmony	(2) 600kW, 500Vdc,1,2kAdc	1998
Kvaerner Chemetics	Indonesia	E-Chem	DC SCR (D)	5920kW,74Vdc,80kAdc	1997
Kvaerner Chemetics	Indonesia	E-Chem	DC SCR (D)	14,720kW,160Vdc,92kAdc	1997
Kvaerner Chemetics	Delaware	E-Chem	DC SCR (D)	12,288kW,96Vdc,128kAdc	1997
Unifrax, Inc. (Carborundum)	US / IN	DC Supply - Industrial Insulation	DC SCR / Autotap	2500kW, 4.5kAdc	1997
Kerr McGee /	Mississippi	E-Chem - Chlorate	DC SCR (D)	28,00kW,1000Vdc,28kAdc	1997
Kayex Corp	US / NY	Crystal Grower	DC SCR	3-Output, 300kW, 100kW, 10kW	1997
Name Confidential /	Alabama	E-Chem	DC SCR (D)	5950kW, 700Vdc, 8.5kAdc	1997
Huron Tech /	USA	E-Chem - Chlorate	DC SCR (D)	13,700kW, 685Vdc,20kAdc	1997
Trilogia Engineering Pte.	Asia	DC Supply - Heat Treat	DC Darlington	100kWdc, 1 kHz	1997
Phelps Dodge Mining Co.	US / AZ	DC Supply - EW-SX	DC Harmony	1.1 MW,185Vdc,6kAdc	1997
Oster Magnetics	US / CA	DC Supply - Magnet Supply	DC Darlington	300kW,143Vdc, 2.1kA	1996
Mexicana de Cobre	Mexico	DC Supply - EW-SX	DC SCR (D)	2640kW,110Vdc,24kAdc	1996
LaRoche Industries	Louisiana	E-Chem - Chlorine	DC SCR (D)	28,000kW,560Vdc,50kAdc	1996
Name Confidential	Illinois	E-Chem	DC SCR (D)	7000kW,100Vdc,70kAdc	1996
Mexicana de Cobre	Mexico	E-Chem - Copper	DC SCR (D)	8360kW,220Vdc,38kAdc	1996
Name Confidential	Illinois	E-Chem	DC SCR (D)	7000kW, 100Vdc,70kAdc	1996
Bettis Advanced Power Syst.	US / PA	DC Supply - Test Equipment	DC Harmony	500kW,1600Vdc	1996
Glencore/Samin	Sardinia, Italy	E-Chem – Zinc	DC Diode	55,000kW,275Vdc,200kAdc	1995
Huron Tech	USA	E-Chem - Chlorate	DC SCR	27,400kW,685Vdc,40kAdc	1995
Huron Tech	USA	E-Chem - Chlorate	DC SCR	13,700kW,685Vdc,20kAdc	1995
Name Confidential	Alabama	E-Chem	DC SCR	10,500kW,1000Vdc,10.5kAdc	1995
Centromin	Peru	E-Chem - Copper	DC SCR (D)	22,400kW, 800Vdc,28kAdc	1995
GE Plastics	US / IN	E-Chem - Chlorine	DC SCR (D)	30,624kW,348Vdc,88kAdc	1995
CXY Chemicals	Alberta	E-Chem - Chlorate	DC SCR (D)	12,558kW, 483Vdc,26kAdc	1995
CXY Chemicals	Manitoba	E-Chem - Chlorate	DC SCR (D)	10,06kW,503Vdc,20kAdc	1995
Mex Penoles	Mexico	E-Chem - Zinc	DC Diode (D)	12,240kW,510VdC,24kAdc	1995

<b>Заказчик</b>	<b>Местоположение</b>	<b>Применение</b>	<b>Технология</b>	<b>Выходные данные</b>	<b>Год</b>
Kerr McGee	Mississippi	E-Chem - Chlorate	DC SCR (D)	2800kW,1000Vdc,28kAdc	1995
Fluor Daniel Wright	Peru	E-Chem - Copper	DC SCR	7500kW, 250Vdc, 30kAdc	1994
Controlled Power Corp/ New York	US / O H	DC Substation - NYC Transit	DC Diode	6000kW,625Vdc,9.6kAdc	1994
Alcoa Aluminum	US / PA	DC Supply - Anodizing	DC Darlington	250kW,100Vdc,2.5kAdc	1994
GE Plastics	US/IN	E-Chem – Chlorine	DC SCR (D)	30,624kW,348Vdc,88kAdc	1994
Extrude Hone Co.	US/PA	DC Supply - Electrochemical Mac	DC Darlington	50kW, 30Vdc,2.5kAdc	1994
Met-Mex Penoles	Mexico	E-Chem – Zinc	DC Diode	24,480kW,510Vdc,48kAdc	1993
Viking	US / MN	E-Chem	DC SCR	5950kW, 700Vdc,8.5kAdc	1993
Met-Mex Penoles	Mexico	E-Chem - Zinc	DC Diode	36,000kW, 510Vdc, 24kAdc	1993
Kennecott Copper	US / UT	E-Chem - Copper	DC SCR	9936kW, 360Vdc,27.6kAdc	1993
Kennecott Copper	US / UT	E-Chem - Copper	DC SCR	14,849kW, 269Vdc,54.2kAdc	1993
Kennecott Copper	US / UT	E-Chem - Copper	DC SCR	2142kW, 84Vdc, 25.5kAdc	1993
Huron Tech /	USA	E-Chem - Chlorate	DC SCR	27,400kW,685Vdc,40kAdc	1993
General Electric Co.	US / OH	Melting - Silica	DC SCR	(6) 480Vdc, 1.6kAdc	1992-1985
Kayex Corp.	US / NY	DC Supply - Crystal Grower	DC Darlington	250kW, 60Vdc,4.2kAdc	1992
Noram E&C Co.	BC	DC Supply - Clorine Dioxide Mfg.	DC SCR	1950kW, 50Vdc,39kAdc	1992
Noram E&C Co.	BC	DC Supply - Clorine Dioxide Mfg.	DC SCR	1550kW, 50Vdc, 31kAdc	1992
Kayex Corp.	US / NY	DC Supply - Crystal Grower	DC Darlington	150kW, 60Vdc, 2.5kAdc	1992
Industrial Minera Mexico	Mexico	E-Chem - Zinc	DC SCR	60,900kW, 725Vdc, 84kAdc	1992
Controlled Power Corp / BC	US / OH	DC Substation - BC Transit	DC Diode	(2 x 2.5kAdc); 600Vdc	1991
Federal Pioneer	BC	DC Substation - BC Transit	DC Diode	(2 x 3.33 kA); 600Vdc	1991
Controlled Power Corp /New York	US / OH	DC Substation - NYC Transit	DC Diode	(8 x 7.2kA); (1 x 9.6 kA) ; 625Vdc	1991
Controlled Power Corp/Metro North R.R.	US / OH	DC Substation	DC Diode	(2 x 4.7kAdc);700Vdc	1990
N.Y.City Transit Authority	US / NY	DC Substation – NY Transit	DC Diode	(6x4,8kAdc); (4x6,4kAdc); 625Vdc	1990
Chemetics International/ICI	BC	E-Chem - Chlorate	DC SCR	12,825kW, 225Vdc, 57kAdc	1990
Alby Chlorates	Quebec	E-Chem - Chlorates	DC SCR	18,600kW, 310Vdc, 60kAdc	1989
Alby Chlorates	Quebec	E-Chem – Chlorates	DC SCR	18,600kW,310Vdc,60kAdc	1989
Albright and Wilson	BC	E-Chem - Chlorate	DC SCR	46,200kW, 420Vdc,110kAdc	1989
N.Y. City Transit Authority	US / NY	DC Substation - NY Transit	DC Diode	(4 x 4.8kAdc); (3 x 6.4kAdc),625Vdc	1989
N.Y. City Transit Authority	US / NY	DC Substation - NY Transit	DC Diode	(7 x 4.8kAdc); 625Vdc	1989
A.T.&T. Technologies	US / PA	DC Supply - Crystal Grower	DC SCR	(10)100kWdc	1988-1984
Johnson Controls	US / WI	DC Supply - Battery Energy Stora	DC SCR	450kW, 500Vdc, 900 Adc, Dual	1988
N.Y. City Transit Authority	US / NY	DC Substation - NY Transit	DC Diode	(8 x 4.8kAdc);625Vdc	1988
N.Y. City Transit Authority	US / NY	DC Substation - NY Transit	DC Diode	(8 x 4.8kAdc); 625Vdc	1987
N.Y. City Transit Authority	US / NY	DC Substation - NY Transit	DC Diode	(7 x 4.8kAdc); 625Vdc	1987

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ERCO	Quebec	E-Chem - Chlorate	DC SCR	30,800kW, 308Vdc,100kAdc	1987
AVCO Corp.	US / MA	DC Supply - Magnet - Laser	DC SCR	15 kVdc, 7.5 kA	1986
Electrolyser / Air Liquide	Quebec	E-Chem - Hydrogen	DC SCR	7300kW, 73Vdc, 100kAdc	1986
Quenord, Inc.	Quebec	E-Chem - Chlorate	DC Diode	1890kW,525Vdc,36kAdc	1986
Met-Mex Penoles	Mexico	E-Chem – Zinc	DC Diode	72,000kW,510Vdc,48kAdc	1986
Met-Mex Penoles	Mexico	E-Chem – Zinc	DC Diode	72,000kW,510Vdc,48kAdc	1985
CIL	Ontario	E-Chem – Chlorine	DC Diode	11,250kW,300Vdc,37.5kAdc	1985
GE Plastics	US / AL	E-Chem – Chlorine	DC SCR (D)	22,400kW,280Vdc,80kAdc	1985
Quenord, Inc.	Quebec	E-Chem – Chlorate	DC Diode	1890kW,525Vdc,36kAdc	1985
Alby Chlorates	Quebec	E-Chem – Chlorates	DC SCR	33,550kW,305Vdc,110kAdc	1985
Metro Canada	BC	DC Substation	DC Diode	(5x2kAdc);(7x1,5kAdc);600Vdc	1984
ERCO	Quebec	E-Chem – Chlorate	DC SCR	21,200kW,265Vdc,80kAdc	1984
HO.Process Co.	US / AL	E-Chem – Chlorate	DC Diode	11,900kW,595Vdc,20kAdc	1983
Carborundum Werke	Germany	DC Supply – Industrial Insulation	DC SCR/Autotap	2,000kW,500Vdc,4kAdc	1983
N.Y. City Transit Authority	US / NY	DC Substation – NY Transit	DC Diode	(6x4.8kAdc); 625Vdc	1983
Great Lakes Carbon	Quebec	DC Supply - Graphite	DC Diode	28,980kW, 230Vdc,126kAdc	1982
Dow Chemical	Ontario	E-Chem - Chlorine	DC Diode	29,900kW, 460Vdc,65kAdc	1981
General Abrasive Co.	Ontario	DC Supply - Mfg. Silicon Carbide	DC SCR / Autotap	20,000kW, 400Vdc, 70kAdc	1981
Dept of Transport	Ontario	DC Substation	DC Diode	(6 x 5.5kAdc); 900Vdc	1980
Diamond Shamrock	US / TX	E-Chem - Chlorine	DC SCR	26,000kW, 650Vdc, 40kAdc	1980
Argonne Nat'l Lab	US / IL	DC Supply - Battery Charge/Disc	DC SCR	250Vdc, +300 A., -1200 A.	1980
Union Carbide	Ontario	DC Supply - Graphite	DC Diode	12,760kW, 116Vdc, 110kAdc	1980
ERCO	Quebec	E-Chem - Chlorate	DC SCR	16,500kW, 275Vdc, 60kAdc	1980
F.M.C Co.	BC	E-Chem - Chlorine	DC Diode	35,000kW, 125Vdc, 280kAdc	1980
Cominco	BC	E-Chem - Zinc	DC SCR	58.080kW, 484Vdc, 120kAdc	1980
ERCO	Argentina	E-Chem - Chlorate	DC SCR	9600kW, 160Vdc, 60kAdc	1980
Glencore (ex Samim)	Italy	E-Chem – Zinc	DC Diode	55,000kW, 275Vdc,200kAdc	1980
Convent Chemical	US / LA	E-Chem - Chlorine	DC SCR	11,475kW, 425Vdc, 270kAdc	1979
Avondale Shipyard	US / US	DC Substation	DC Diode	(2 x 4kAdc); 750Vdc	1979
Cominco	BC	E-Chem – Zinc	DC SCR	58.080kW, 484Vdc, 120kAdc	1979
ERCO	Ontario	E-Chem - Chlorate	DC SCR	20,520kW, 285Vdc, 72kAdc	1978
St. Anne Chemicals	N.B.	E-Chem - Chlorine	DC SCR	8000kW, 160Vdc, 50kAdc	1978
PPG Stanchem	Quebec	E-Chem - Chlorine	DC Diode	33,750kW, 150Vdc, 225kAdc	1978
Quenord, Inc.	Quebec	E-Chem - Chlorate	DC Diode	20,000kW, 400Vdc, 50kAdc	1978
Texasgulf	Ontario	E-Chem - Copper	DC SCR	13,200kW, 150Vdc, 88kAdc	1978
ERCO	Ontario	E-Chem - Chlorate	DC SCR	15,000kW, 1000Vdc, 15kAdc	1977
Rio Algom	Ontario	DC Substation	DC Diode	(10x400Adc);250Vdc	1977
Dept.of Transport	Ontario	DC Substation	DC Diode	(6x5.5kAdc);900Vdc	1976
NY City Transit Authority	US / NY	DC Substation – NY Transit	DC Diode	(7x3.33kAdc); 600Vdc	1976

<b>Заказчик</b>	<b>Местоположение</b>	<b>Применение</b>	<b>Технология</b>	<b>Выходные данные</b>	<b>Год</b>
BC Hydro Authority	BC	DC Substation	DC Diode	(3x2608kAdc);575Vdc	1976
ERCO	Quebec	E-Chem – Chlorine	DC SCR	11,625kW,775Vdc,15kAdc	1976
Dept.of Transport	Ontario	DC Substation	DC Diode	(6x 5.5kAdc); 900Vdc	1976
GLENCORE/Samin	Sardinia,Italy	E-Chem – Zinc	DC Diode	275V,200kAdc	1976
Can.Electrolytic Zinc	Quebec	E-Chem – Zinc	DC Diode	41,250kW,625Vdc,66kAdc	1975
NY City Transit Authority	US / NY	DC Substation – NY Transit	DC Diode	(6x3.33kAdc);600Vdc	1975
Algoma Steel	Ontario	DC Substation	DC Diode	1250kW,380Vdc,3.3kAdc	1975
Salgema Industries	Brazil	E-Chem – Chlorine	DC Diode	94,875kW,575Vdc,165kAdc	1975
Sider Peru	Peru	DC Supply – Tinning	DC Diode	2688kW,24Vdc,112kAdc	1975
Bethlehem Steel	US / NY	DC Substation	DC Diode	6000kW,250Vdc,24kAdc	1975
Union Carbide	Ontario	DC Supply – Graphite	DC Diode	12,760kW,116Vdc,110kAdc	1975
SNC/Cinco Kersun	Turkey	E-Chem – Zinc	DC Diode	25,245kW,765Vdc,33kAdc	1974
Hecla Mining	US / AZ	E-Chem – Copper	DC Diode	11,232kW,390Vdc,28.8kAdc	1974
Canadian Industries Ltd.	Quebec	E-Chem – Chlorine	DC Diode	52,700kW,620Vdc,85kAdc	1974
General Motors	Ontario	DC Supply – Induction heating	DC SCR	3250kW,250Vdc,13kAdc	1974
Sydney Steel	N.S.	DC Substation	DC Diode	1250kW,250Vdc,5kAdc	1974
Dravo/Cartech	US / PA	DC Supply – ESR	DC SCR	2400kW,80Vdc,30kAdc	1974
BC Chemicals	BC	E-Chem – Chlorine	DC Diode	14,718kW,446Vdc,33kAdc	1974
ERCO	Quebec	E-Chem – Chlorine	DC SCR	5920kW,160Vdc,37kAdc	1974
ERCO	Quebec	E-Chem – Chlorine	DC Diode	4320kW,360Vdc,12kAdc	1973
Boston Engineering	Kenya	E-Chem – Chlorine	DC Diode	2400kW,80Vdc,30kAdc	1973
B.F.Goodrich	US / KY	E-Chem – Chlorine	DC Diode	14,775kW,197Vdc,75kAdc	1973
ERCO	Quebec	E-Chem – Chlorine	DC SCR	25,500kW,750Vdc,34kAdc	1973
Canadian Industries Ltd.	Quebec	E-Chem – Chlorine	DC Diode	2536kW, 317Vdc, 8kAdc	1972
Cominco	BC	E-Chem – Zinc	DC SCR	27,000kW, 600Vdc, 45kAdc	1972

# Электродуговые печи постоянного тока

Заказчик	Местоположение	Применение	Технология	Выходные данные	Год
American Cast Iron Pipe Co.	US / A L	DC Arc Furnace	DC Harmony	65,000 kW, 650Vdc,130kAdc	2000
Titania	Italy	DC Arc Furnace	DC SCR	5,700kW,95vdc,2x30kAdc	1999
Danieli/AHLI Steel	UA E	DC Arc Furnace	DC SCR	59,960kW,916Vdc,2x30kAdc	1999
Aimco Products	Ontario	DC Supply - Metal Holding Furnace	DC Harmony	540kW, 54Vdc,10kAdc	1998
DEMAG/Halivourgia	Greece	DC Arc Furnace	DC SCR	51,780kW,863Vdc,2x30kAdc	1997
DA NIELI/Acc.Bertoli-Safau	Italy	DC Arc Furnace	DC SCR	191,088kW,1053Vdc,2x48kAdc	1997
ITA M	US / PA	DC Arc - Metals Reclamation	DC Harmony	5000 kW,365 Vdc,14 kAdc	1997
COS IM	China	DC Arc Furnace	DC S CR ( D)	81,000kW,900Vdc,90kAdc	1996
Gulf Chemical	US / TX	DC Arc - Smelting Process	DC Harmony	10,000kW, 235Vdc,42.5 kAdc	1996
CLECIM/Yan Shan	China	DC Arc Furnace	DC SCR	85,500kW,855Vdc,4x25kAdc	1995
CLECIM/Jiang Yin	China	DC Arc Furnace	DC SCR	85,500kW,855Vdc,4x25kAdc	1995
CLESIM/Chang Chen	China	DC Arc Furnace	DC SCR	132,000kW,1000Vdc,4x43kAdc	1995
Clecim / China	France	DC Arc Furnace	DC S CR ( D)	93,960kW, 870Vdc,108 kAdc	1995
DEMA G / IPS CO	USA	DC Arc Furnace	DC SCR	144,900kW,1035Vdc,4x35kAdc	1994
CLESIM/Vitcaya	Spain	SC Arc Furnace	DC SCR	172,200kW,1148Vdc,4x37,5kAdc	1994
Inverpow er / Lasco	Ontario/Canad	aArc Furnace - AC Line Controller	DC SCR	3-ph, 46 kV, 2.8Ka	1994
S V ERDRUP DL R, Ge r ma n y	US/ TN	DC Arc - Arc Heater- Testing Reentry Vehic	IDC S CR	(4) 3600 kW,1200Vdc,3kAdc	1994
CL ECIM/ UNIMetal	France	DC Arc Furnace	DC SCR	144,900kW,1035Vdc,4x35kAdc	1993
DEMA G/ A RBED	Luxembourg	DC Arc Furnace	DC SCR	152,760kW,1273Vdc,4x30kAdc	1993
Danieli/Balboa	Spain	DC Arc Furnace	DC SCR	99,600kW,830Vdc,4x30kAdc	1993
Duetsche Voest Alpine / North Sta	G ermany	DC Arc Furnace	DC SCR	115,920 kW, 966 Vdc, 120kAdc	1993
ILSERV s.r.l.	Italy	DC Arc - Ferroalloy Recovery	DC SCR / Autotap	9000 kW	1992
Meadow Material Co. (DOW)	Manitoba	DC Arc - Silicon Process	DC SCR / Autotap	11,000kW, 220Vdc,50kAdc	1990
Duetsche Voest Alpine	Germany	DC Arc Furnace	DC SCR	44,520 kW, 530Vdc,84kAdc	1989
Whiting Corp.	US / IL	DC Supply - Metal Holding Furnace	DC SCR/ SPS	(10)540 kW,54Vdc,10kAdc	1980-88
So. Carolina Research	US/SC	DC Arc - Ferrochrome Process	DC SCR / Autotap	12,000kW,300Vdc,40 kAdc	1993
International Mill Service	US / A R	DC Arc - EA F Dust Processing	DC SCR / Autotap	2000kW, 400Vdc,5kAdc	1988
EL MET	Mexico	DC Arc - Mfg. Silicon Carbide	DC SCR / Autotap	9200 kW, 37 kAdc	1980

# Оборудование для проведения исследований в атомной отрасли

Заказчик	Местоположение	Применение	Технология	Выходные данные	Год
ОАО «ОКБМ Африкантов»	Россия	АЭС - водяной обогрев	DC- SCR	7500Kw , 4 x 12,5kA-150Vdc	2010
Consorzio RFX	Padua,Italy	Research – Fusion	IG CT	200,000kW,3000Vdc,12x6kAdc	2001
Consorzio RFX	Padua,Italy	Research – Fusion	DC SCR	170,000kW,1350Vdc,12x12,5kAdc	2001
University of Princeton / GA	US / CA	DC Supply - Magnet - Fusion	DC IG B T	(3)1500 kW,300 Vdc,5 kAdc	1999
CIRA (Centro Italiano Ricerche Aerospazial	Capua,Italy	Research – Plasma Windtunnel	DC SCR	70,000kW,16200Vdc,9.2kAdc	1995
Pennsylvania State Univ.	US / PA	DC Supply - Reactor Fuel Testing	DC Darlington	720 kW, 60 Vdc,12.6 kAdc	1995
Atomic Energy of Canada	Ontario	DC Supply - Test Fuel Bundles	DC Harmony	1700 kW, 145 Vdc,12 kAdc	1995
Mass. Institute of Technology	US / MA	DC Supply - Solid State Ckt. Breakers - Fusion	DC SCR	2 kV./4 kV.; 50 kA, 25 kA & 15kA	1992
Mass. Institute of Technology	US / MA	DC Supply - Magnet - Fusion	DC SCR	12-Pulse, +/- 50 kA Circulating, Current Dual Con	1991
Mass. Institute of Technology	US / MA	DC Supply - Magnet - Fusion	DC SCR	12-Pulse, +/- 50 kAdc Lock-Out Dual Conv.	1991
GE Nuclear Energy	US / CA	DC Supply - Test Unit	DC SCR	19,000 kW,190Vdc,100kAdc	1991
Mass. Institute of Technology	US / MA	DC Supply - Magnet - Fusion	DC SCR	12-Pulse, +15 kA, -10 kA	1991
Mass. Institute of Technology	US / MA	DC Supply - Magnet - Fusion	DC SCR	400,000 kW,1500V,260kAdc	1990
Consorzio RFX	Padua,Italy	Research – Fusion	DC SCR	170,000kW,1350Vdc,12x12,5kAdc	1987
Consorzio RFX	Padua,Italy	Research – Fusion	DC SCR	55,000kW,1350Vdc,8x6,25kAdc	1987
Princeton University	US / NJ	DC Supply – Magnet – Fusion	DC SCR	Multiple Units,5kAdc thru 20kAdc	1986
General Atomic	US / CA	DC Supply-Magnet Supply – Fusion	DC SCR	600V,14kAdc-&-1200V,20kAdc,12-pulse	1985
Los Alamos Nat'l Lab	US / NM	DC Supply - Magnet - Superconductor	DC SCR	13,750 kW, 2500V,5.5kAdc	1983
General Atomic	US / CA	DC Supply -Magnet Supply - Fusion	DC SCR	1000 V., 21 kAdc, 12-Pulse, High Reflected dv/dt	1982
Mass. Institute of Technology	US / MA	DC Supply - Magnet - Fusion	DC SCR	150,000 kW, 750 V,200 kAdc	1980
Oak Ridge Nat'l Lab	US / TN	DC Supply - Magnet - Superconductor	DC SCR	+/- 300 V., +/- 2 kAdc, 0.1 % Ripple	1979
General Electric Co.	US / NY	DC Supply - Magnet - Superconductor	DC SCR	15 V. 7.5 kAdc	1978
Oak Ridge Nat'l Lab	US / TN	DC Supply – Magnet- Fusion	DC SCR	120,000kW,100V,120kAdc	1977
Atomic Energy of Canada	Ontario	DC Supply – Test Fuel Bundles	DC SCR	250V,75kAdc,12-pulse	1976