



Transformer Electro Service S.r.l.

***POWER TRANSFORMERS
SPECIAL TRANSFORMERS
REACTORS***

MAIN REFERENCES



LEGEND

EAF	Electric Arc Furnace transformer
LF	Ladle Furnace Transformer
POW	Power Transformer
RECT	Rectifier Transformer
REACT	Series Reactor
ESR	Electro Slag Remelted Transformer

YEAR 2009

CUSTOMER AND CHARACTERISTICS	FINAL DESTINATION	PRODUCT
MAGHREB STEEL – MAROCCO N° 1 three-phase oil immersed power transformer 160 MVA, ONAF, 225 ± 10 x 1,5% / 33 kV, with OLTC	MAROCCO	POW
ERG NUOVE CENTRALI SPA – ITALY N° 1 three-phase oil immersed power transformer 120/80/40 MVA, OFAF, 150 +10 -12 x 1,25% / 31,5 - 10,5 kV with OLTC	ITALY	POW
NUNKI STEEL SPA – ITALY N° 1 three-phase oil immersed power transformer 72/80 MVA, ONAN/ONAF, 130 ± 8 x 1,5% / 17,35 kV, with OLTC	ITALY	POW
ENERGY SYSTEM SERVICES SRL – ITALY N° 1 three-phase oil immersed power transformer 40/50 MVA, ONAN/ONAF, 150 ± 10 x 1,25 % / 21 kV, with OLTC.	ITALY	POW
SC ENEL DISTRIBUTIE MUNTENIA SA – ROMANIA N° 3 three-phase oil immersed power transformers 40 MVA, ONAN, 115 ± 10 x 1,5 % / 20,8 kV, with OLTC.	ROMANIA	POW
MAGHREB STEEL – MAROCCO N°1 three-phase oil immersed power transformer 32/40 MVA, ONAN/ONAF, 225 ± 10 x 1,5% / 22 kV, with OLTC	MAROCCO	POW
AGSM VERONA SPA – ITALY N° 1 three-phase oil immersed power transformer 30/40 MVA, ONAN/ONAF, 50 + 10 – 8 x 1,6 % / 10,5 – 21 kV, with OLTC	ITALY	POW
EOLICA PETRALIA SRL - ITALY N°1 three-phase oil immersed power transformer 28/35 MVA, ONAN/ONAF, 150 ± 10 x 1,5 % / 20,5 kV, with OLTC	ITALY	POW
FUCHS TECHNOLOGY AG - SWITZERLAND N° 1 three-phase oil immersed EAF transformer 120 MVA+10%, OFWF, 70,9 kA, 35.000/1350-1075-698 V	RUSSIA	EAF
CVS SANAYI VE DIS – TURKEY N° 1 three-phase oil immersed EAF transformer 52 MVA +20%, OFWF, 33.000 / 900-715-400 V	MONTENEGRO	EAF
DANIELI & C. S.P.A. OFFICINE MECCANICHE - ITALY N° 1 three-phase oil immersed LF transformer 28,8 MVA, OFWF, 33.000 / 340-250 V	U.A.E	LF
FUCHS TECHNOLOGY AG - SWITZERLAND N° 1 three-phase oil immersed LF transformer 21 MVA, OFWF, 39,1 kA, 35.000/350-310-280 V	RUSSIA	LF
ACCIAIERIE VENETE SPA – ITALY N°1 three-phase oil immersed LF transformer 10 MVA+20%, OFWF, 20000 ± 2 x 2,5% / 210 V	ITALY	LF

SIEMENS VAI METALS TECHNOLOGIES GMB – GERMANY N°1 three-phase oil immersed LF transformer 10 MVA , OFWF, 26,24 kA, 35000 / 250 – 238 – 190 V	CHINA	LF
INTECO SPECIAL MELTING TECHNOLOGIES GmbH - AUSTRIA N° 5 single-phase oil immersed furnace transformers for ESR 6,2 MVA , 40 kA, 15.000 / 155-49 V	AUSTRIA	ESR
STS SRL - ITALY N°1 three-phase oil immersed LF transformer 3,6 MVA , OFWF, 11500 / 180 – 100 V	SOUTH AFRICA	LF
INTECO SPECIAL MELTING TECHNOLOGIES GmbH - AUSTRIA N° 2 single-phase oil immersed furnace transformers for ESR 4,35 MVA , 30 kA, 10.000 / 145-39 V	CHINA	ESR
FUCHS TECHNOLOGY AG – SWITZERLAND N°1 EAF series reactor 29,4 MVAR + 21% , 35000 V, OFWF	RUSSIA	REACT

YEAR 2008

CUSTOMER AND CHARACTERISTICS	FINAL DESTINATION	PRODUCT
ACCIAIERIE DI CALVISANO S.P.A. – ITALY N° 1 three-phase power transformer 135/135/35 MVA , OFAF, 132 / 32,4 / 15 Kv, with OLTC	ITALY	POW
ABS ACCIAIERIE BERTOLI SAFAU – ITALY N° 1 three-phase oil immersed power transformer 120 MVA , OFAF, 220 ± 10 x 1,5% / 21-31,5 kV, with OLTC	ITALY	POW
VERONA STEEL S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 80/100 MVA , ONAN/ONAF, 130 ± 3 x 1,75% / 20 - 34,6 kV	ITALY	POW
OLIFER ACCIAIERIE – ITALY N° 1 three-phase oil immersed power transformer 60/72 MVA , ONAN/ONAF, 130 ± 8 x 1,5% / 17,35 kV, with OLTC	ITALY	POW
FERALPI SIDERURGICA S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 40 MVA , ONAN, 130 ± 10 x 1,5% / 15,6 kV, with OLTC	ITALY	POW
EDISON S.P.A.– ITALY N° 2 three-phase oil immersed power transformers 38 MVA , ONAN, 135 ± 5 x 1,25% / 10 kV, with NLTC	ITALY	POW
SELEDISON S.P.A. – ITALY N° 2 three-phase oil immersed power transformers 35 MVA , ONAN, 244 ± 2 x 2,5% / 10 kV	ITALY	POW
DANIELI & C. S.P.A. OFFICINE MECCANICHE – ITALY N° 1 three-phase oil immersed EAF transformer 140 MVA +15% , OFWF, 67,9 kA, 35.000 / 1300-1190-740 V	UKRAINE	EAF
FERALPI SIDERURGICA S.P.A. – ITALY N° 1 three-phase oil immersed EAF transformer 123,6 MVA , OFWF, 75,1 kA, 30000/1275-950-850 V	ITALY	EAF
SMS DEMAG AKTIENGESELLSCHAFT – GERMANY N° 1 three-phase oil immersed EAF transformer 120 MVA , OFWF, 69,3 kA, 33.000/1250-1000-750 V	MAROCCO	EAF
SIEMENS VAI METALS TECHNOLOGIES GmbH – GERMANY N° 1 three-phase oil immersed EAF transformer 90 MVA + 10% , OFWF, 56,5 kA, 35.000/1080-920-740 V	CHINA	EAF
ABS ACCIAIERIE BERTOLI SAFAU – ITALY N° 1 three-phase oil immersed EAF transformer 75 MVA + 20% , OFWF, 57,7 kA, 21000/1075-900-575 V	ITALY	EAF
VERONA STEEL S.P.A – ITALY N° 1 three-phase oil immersed EAF transformer 75 MVA+20% , OFWF, 60,4 kA, 34.640-20000/995-860-550 V	ITALY	EAF

FONDERIA S.A. – MEXICO N° 1 three-phase oil immersed EAF transformer 70 MVA+20% , OFWF, 50,5 kA, 34.500/950-800-550 V	MEXICO	EAF
TENOVA METAL MAKING- ITALY N° 2 three-phase oil immersed EAF transformer 70 MVA+10% , OFWF, 56,1 kA, 33.000/960-720-480 V	BRASIL	EAF
CONCAST A.G. – ZURICH-SWITZERLAND N° 1 three-phase oil immersed EAF transformer 55 MVA +20% , OFWF, 33.000 / 900-720-500 V	SLOVAK REPUBLIC	EAF
CVS SANAYI VE DIS – TURKEY N° 1 three-phase oil immersed EAF transformer 52 MVA +20% , OFWF, 33.000 / 900-715-400 V	EGYPT	EAF
SIEMENS VAI METALS TECHNOLOGIES GmbH – GERMANY N° 2 three-phase oil immersed LF transformers 40 MVA , OFWF, 55 kA, 35.000/440-420-260 V	UKRAINE	LF
DANIELI & C. S.P.A. OFFICINE MECCANICHE – ITALY N° 1 three-phase oil immersed LF transformer 30 MVA , OFWF, 35.000 / 390-370-270 V	UKRAINE	LF
CONCAST A.G. – ZURICH-SWITZERLAND N° 1 three-phase oil immersed LF transformer 26 MVA +10% , OFWF, 33.000 / 395-375-240 V	BRASIL	LF
SAN ZENO ACCIAI DUFERCO S.P.A – ITALY N° 1 three-phase oil immersed LF transformer 24 MVA + 10 % , OFWF, 33000/395-375-240 V	ITALY	LF
SMS DEMAG AKTIENGESELLSCHAFT- GERMANY N° 1 three-phase oil immersed LF transformer 20 MVA , OFWF, 36,1 kA, 33.000/350-320-230 V	MAROCCO	LF
RIVA ACCIAIO S.P.A. – VERONA – ITALY N° 1 three-phase oil immersed LF transformer 20 MVA , OFWF, 30.000 / 300-263-170 V	ITALY	LF
ACCIAIERIE VENETE S.P.A. – ITALY N° 1 three-phase oil immersed LF transformer 15 MVA , OFWF 30.000 / 240 ± 2 x 4% V	ITALY	LF
FERALPI SIDERURGICA S.P.A. – ITALY N° 1 three-phase oil immersed LF transformer 15 MVA , OFWF, 15.000 / 260 ± 2 x 4% V	ITALY	LF
CONCAST A.G. – ZURICH-SWITZERLAND N° 1 three-phase oil immersed LF transformer 10 MVA +20% , OFWF, 33.000 / 270-255-190 V	SLOAVK REPUBLIC	LF
CVS SANAYI VE DIS – TURKEY N° 1 three-phase oil immersed LF transformer 10 MVA +20% , OFWF, 33.000 / 300-230-150 V	EGYPT	LF

UHDENORA S.P.A.– ITALY N° 1 rectifier transformer 11,961 MVA , 35000 ± 5% / 546 V, 50 Hz	KAZAKHISTAN	RECT
METALLEGHE S.P.A. – ITALY N° 1 Three-phase furnace transformers 10,5 MVA , 35.000 / 155-132-80 V	BOSNIA	EAF
TENOVA METAL MAKING- ITALY N° 1 three-phase oil immersed EAF transformer 3 MVA , OFWF, 14,9 kA, 15.000/252-116-60 V	ITALY	EAF
SIEMENS VAI METALS TECHNOLOGIES GmbH – GERMANY N° 1 EAF series reactor 10 MVAR + 21% , 35.000 V, OFWF	CHINA	REACT
TENOVA METAL MAKING- ITALY N° 1 EAF series reactor 6,74 MVAR + 21% , 33.000 V, OFWF	BRASIL	REACT

YEAR 2007

CUSTOMER AND CHARACTERISTICS	FINAL DESTINATION	PRODUCT
ORI MARTIN S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 80 MVA , ONAN, 130 ± 3 x 2,275 / 20 kV	ITALY	POW
THERMOMELT S.R.L. – ITALY N° 1 three-phase oil immersed power transformer 72/80 MVA , ONAN/ONAF, 130 ± 8 x 1,5% / 17,35 kV, with OLTC	ITALY	POW
STC GROUP S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 63/78 MVA , ONAN/ONAF, 132 ± 12 x 1,5% / 10,5 kV, with OLTC	ITALY	POW
EDISON S.P.A.– ITALY N° 1 three-phase oil immersed power transformer 50/63 MVA , ONAN/ONAF, 150 ± 12 x 1,25% / 30 kV, with OLTC	ITALY	POW
STC GROUP S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 40/50 MVA , ONAN/ONAF, 132 ± 10 x 1,55 / 11 kV, with OLTC	ITALY	POW
C.V.A. S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 50 MVA , OFAF, 132 / 6 kV	ITALY	POW
STC GROUP S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 37,5/37,5/15 MVA , ONAN, 150 ± 8x1,5% / 11 /20 kV, with OLTC	ITALY	POW
C.V.A. S.P.A.– ITALY N° 1 three-phase oil immersed power transformer 29,5 MVA , ONAN, 132 / 6 kV	ITALY	POW
KONSORTIUM ENERTRANS – ITALY N° 1 three-phase oil immersed power transformer 20/25 MVA , ONAN/ONAF, 132 ± 10 x 1,5% / 20,8 kV, with OLTC	ITALY	POW
STC GROUP S.P.A.– ITALY N° 1 three-phase oil immersed power transformer 20/24 MVA , ONAN/ONAF, 150 ± 8 x 1,5% / 11 kV, with OLTC	ITALY	POW
HOLCIM ITALIA S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 20 MVA , ONAN 130 ± 10 x 1% / 4,076 kV, with OLTC	ITALY	POW
SIEMENS S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 7 MVA , ONAN, 132 ± 8 x 1,5% / 9 kV, with OLTC	ITALY	POW

DANIELI & C. S.P.A. OFFICINE MECCANICHE – ITALY N° 1 three-phase oil immersed EAF transformer 156 MVA , OFWF 33.000 / 1250-1120-620 V	U.A.E	EAF
SMS DEMAG AKTIENGESELLSCHAFT- GERMANY N° 1 three-phase oil immersed EAF transformer 120 MVA , OFWF, 69,3 kA, 35.000/1250-1000-750 V	RUSSIA	EAF
SIEMENS VAI METALS TECHNOLOGIES GmbH – GERMANY N° 1 three-phase oil immersed EAF transformer 80 MVA , OFWF, 60,8 kA, 20.000/890-760-550 V	SYRIA	EAF
STAR STEEL INTERNATIONAL L.L.-U.A.E. N° 1 three-phase oil immersed EAF transformer 80 MVA , OFWF, 62,3 kA, 34.500/894-741-550 V	U.A.E	EAF
STB S.R.L. – ITALY N° 1 three-phase oil immersed EAF transformer 60 MVA , OFWF, 35.000/900-800-600 V	UKRAINE	EAF
ASO SIDERURGICA S.R.L. – ITALY N° 1 three-phase oil immersed EAF transformer 51 MVA +20% , OFWF, 42,1 kA, 22.000/900-700-500 V	ITALY	EAF
SIDERMONTAGGI S.P.A. – ITALY N° 1 three-phase EAF transformer 50 MVA , OFWF, 35.000 / 680-360 V	KAZAKHISTAN	EAF
SIEMENS VAI METALS TECHNOLOGIES GmbH – GERMANY N° 1 three-phase oil immersed EAF transformer 50 MVA , OFWF, 45,5 kA, 35.000/760-635-550 V	CHINA	EAF
SMS DEMAG AKTIENGESELLSCHAFT- GERMANY N° 1 three-phase oil immersed LF transformer 45 MVA+20% , OFWF, 55,1 kA, 33.000/515-472-300 V	NEDERLAND	LF
TENOVA METAL MAKING- ITALY N° 1 three-phase oil immersed EAF transformer 45 MVA+10% , OFWF, 39,5 kA, 35.000/900-658-500 V	UKRAINE	EAF
SIEMENS VAI METALS TECHNOLOGIES GmbH – GERMANY N° 2 three-phase oil immersed LF transformers 45 MVA , OFWF, 40,5 kA, 35.000/530-460-350 V	UKRAINE	LF
DANIELI & C. S.P.A. OFFICINE MECCANICHE – ITALY N° 1 three-phase oil immersed LF transformer 28,8 MVA , OFWF, 33.000 / 340-250 V	U.A.E	LF
SIEMENS VAI METALS TECHNOLOGIES GmbH - GERMANY N° 1 three-phase oil immersed LF transformer 25 / 28 MVA OFWF, 48,1 / 53,9 kA, 34.500 / 320-300-205 V	GERMANY	LF

SIEMENS VAI METALS TECHNOLOGIES GmbH – GERMANY N° 2 three-phase oil immersed LF transformers 25 MVA , OFWF, 40,8 kA, 35.000/365-315-230 V	RUSSIA	LF
SMS DEMAG AKTIENGESELLSCHAFT- GERMANY N° 1 three-phase oil immersed LF transformer 20 MVA , OFWF 36,1 kA 35.000/350-320-230 V	RUSSIA	LF
SAN ZENO ACCIAI DUFERCO– ITALY N° 1 three-phase oil immersed LF transformer 18 MVA , OFWF, 30.000 (Y) – 17.320 (D) ± 2 x 5% / 300 V	ITALY	LF
STAR STEEL INTERNATIONAL L.L.-U.A.E. N° 1 three-phase oil immersed LF transformer 15 MVA , OFWF, 34 kA, 34.500/280-255-180 V	U.A.E	LF
SIDERMONTAGGI S.P.A. – ITALY N° 1 three-phase LF transformer 15 MVA , OFWF, 10.500 / 300-150 V	KAZAKHISTAN	LF
INTECO SPECIAL MELTING TECHNOLOGIES GmbH - AUSTRIA N° 2 three-phase oil immersed LF transformers 13 MVA , OFWF, 36,5 kA, 34.500 / 288-206-140 V	AUSTRIA	LF
SIEMENS VAI METALS TECHNOLOGIES GmbH – GERMANY N° 1 three-phase oil immersed LF transformer 12 MVA+20% , OFWF, 28,9 kA, 20.000/260-240-170 V	SYRIA	LF
SMS DEMAG AKTIENGESELLSCHAFT- GERMANY N° 1 three-phase oil immersed LF transformer 11 MVA , OFWF, 33 kA, 10.000/380-192-95 V	KAZAKHISTAN	LF
INTECO SPECIAL MELTING TECHNOLOGIES GmbH - AUSTRIA N° 2 three-phase oil immersed LF transformers 9 MVA +20% , OFWF, 30,4 kA, 34.500 / 240-171-120 V	BRASIL	LF
CONCAST A.G. – ZURICH-SWITZERLAND N° 1 three-phase LF transformer 7 MVA +20% , OFWF, 16,2 kA, 13.800 / 260-250-160 V	BRASIL	LF
METALLEGHE S.P.A. – ITALY N° 6 Single-phase furnace transformers 3,5 MVA , 35.000 / 160-132-85 V	BOSNIA	EAF
UHDENORA S.P.A. – ITALY N° 1 rectifier transformer 4,5 MVA , 10000 ± 5% / 113,8-108,4-25 V, 50 Hz	GERMANY	RECT
DANIELI & C. S.P.A. OFFICINE MECCANICHE – ITALY N° 1 EAF series reactor 14,7 MVAR+44% , OFWF, 33.000 V	BRASIL	REACT

TENOVA METAL MAKING- ITALY N° 1 EAF series reactor 13,2 MVAR+21% , OFWF, 35.000 V	UKRAINE	REACT
STAR STEEL INTERNATIONAL L.L.-U.A.E. N° 1 EAF series reactor 10,7 MVAR , OFWF, 34.500 V	U.A.E	REACT

YEAR 2006

CUSTOMER AND CHARACTERISTICS	FINAL DESTINATION	PRODUCT
AL TANMIYA FOR STEEL INDUSTRIES – JORDAN N° 1 three-phase oil immersed power transformer 80 MVA , ONAN, 132 / 35,4 kV	JORDAN	POW
PROFILATI NAVE S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 72 MVA , ONAN, 130 ± 8 x 1,5% / 17,35 kV, with OLTC.	ITALY	POW
ITALGEN S.P.A.- ITALCEMENTI GROUP– ITALY N° 1 three-phase power transformer 50 MVA , ONAN, 132 ± 2 x 3% / 15,8 kV	ITALY	POW
AL TANMIYA FOR STEEL INDUSTRIES – JORDAN N° 1 three-phase oil immersed power transformer 45 MVA , ONAN, 132 / 11,5 kV	JORDAN	POW
SELEDISON S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 35 MVA , ONAN, 244 ± 6 x 1,5% / 10 kV	ITALY	POW
SIED S.P.A – ITALY N° 1 three-phase oil immersed power transformer 30 /34,5 MVA , ONAN/ONAF, 132/66 kV	ITALY	POW
SIED S.P.A – TORINO – ITALY N° 1 three-phase oil immersed power transformer 30 /34,5 MVA , ONAN / ONAF, 6 / 70 kV	ITALY	POW
ALTAIR CHIMICA S.P.A.– ITALY N° 1 three-phase oil immersed power transformer 30 MVA , ONAN	ITALY	POW
EDISON S.P.A. – ITALY N° 1 three-phase oil immersed power transformer 17,5 MVA , ONAN, 135/7 kV	ITALY	POW
SAGETER ENERGIA S.P.A. – ITALY N° 1 three-phase power transformer 16 MVA , ONAN, 132-66 ± 2 x 2,5% kV	ITALY	POW
BGF S.R.L. - ITALY N° 2 three-phase oil immersed power transformers 12,5/15 MVA , ONAN/ONAF, 132 ± 10 x 1,5% / 10,6 kV	ITALY	POW
AL TANMIYA FOR STEEL INDUSTRIES – JORDAN N° 1 three-phase oil immersed power transformer 8 MVA , ONAN, 11 / 6 kV.	JORDAN	POW
EDISON S.P.A. – ITALY Repowering n° 1 transformer T3	ITALY	POW

AL TANMIYA FOR STEEL INDUSTRIES – JORDAN N° 1 three-phase oil immersed EAF transformer 45 MVA , 33 / 0,610-0,330 kV	JORDAN	EAF
LUCCHINI SIDERMECCANICA S.P.A. – ITALY N° 1 EAF transformer 40 MVA , OFWF, 15.000/364-764 V	ITALY	EAF
STB S.R.L – ITALY N° 1 EAF transformer 35 MVA , OFWF, 28,8 kA, 35.000 V	UKRAINE	EAF
ABB ENERGY AUTOMATION S.P.A. – ITALY N° 1 three-phase oil immersed EAF transformer 18 MVA , OFWF, 11/0,54-0,438-0,3 kV	ITALY	EAF
UHDENORA S.P.A.- MILANO – ITALY N° 1 rectifier transformer 15,8 MVA , OFWF, 60 ± 10% kV, 50+/- 5% Hz	MAROCCO	RECT
SMS DEMAG – DUSSELDORF – GERMANY N° 6 Single-phase furnace transformers 10 MVA , OFAF	GERMANY	EAF
TECHINT TECHNOLOGIES S.P.A. – ITALY N° 1 EAF transformer 33 MVA + 10% , OFWF, 33/0,54-0,42-0,26 kV	ITALY	EAF
SIDERMONTAGGI S.P.A.– ITALY N° 1 EAF transformer 25 MVA , OFWF, 23 / 0,65 kV	EQUADOR	EAF
VAI FUCHS GmbH – GERMANY N° 1 LF three-phase oil immersed transformer 40 MVA , OFWF, 350-500 V	UKRAINE	LF
TECHINT TECHNOLOGIES S.P.A. – ITALY N° 1 LF transformer 10 MVA + 20% , ONAN/ONAF, 33/0,28-0,20-0,14 kV	ITALY	LF
AL TANMIYA FOR STEEL INDUSTRIES – JORDAN N° 1 three-phase oil immersed LF transformer 10 MVA , OFWF, 33 / 0,240-0,160 kV	JORDAN	LF
STB S.R.L.-- ITALY N° 1 LF transformer 8 MVA , OFWF, 18,5 kA, 35.000 V	UKRAINE	LF
PNR CHEMICAL TRADING – GREAT BRITAIN N°1 reactor transformer 11,97 MVA , 34.500 V	GREAT BRITAIN	REACT

YEAR 2005

CUSTOMER AND CHARACTERISTICS	FINAL DESTINATION	PRODUCT
ABB ACEA – ROMA N° 1 oil immersed autotransformer 160 MVA , OFAF, 220 / 145 ± 7 x 3,52 kV, with O.L.T.C.	ITALY	POW
EDISON S.P.A. – ITALY N° 1 three-phase step-up transformer repowering 155 MVA , ONAF, 220 / 11 kV	ITALY	POW
ACERINOX S.A. PALMONES – SPAIN N° 1 three phase transformer 120 MVA , OFAF, 220 ± 8 x 1,25% / 30 kV, with O.L.T.C.	SPAIN	POW
FERALPI SIDERURGICA S.P.A. – ITALY N° 1 three-phase power transformer 100/103/30 MVA , OFAF, 132 ± 2 x 2,5%/16-32,15/15 kV	ITALY	POW
AGSM VERONA S.P.A. – ITALY N° 1 three-phase power transformer 100 MVA , ONAF, 133 ± 2 x 2% / 54 kV	ITALY	POW
AEM ELETTRICITA' S.P.A. – ITALY N° 1 three phase transformer 60 MVA , OFAF, 128 / 24,9 kV	ITALY	POW
NUOVO PIGNONE G.E. –ITALY N° 1 special three-phase transformer 50 MVA , ONAF, 33 / 11-14,4 kV	ITALY	POW
SIDERMONTAGGI S.P.A. – ITALY N° 1 three-phase power transformer 45 MVA , OFAF, 138 / 23 kV	EQUADOR	POW
SOL S.P.A. - BELGIUM FELUY BELGIUM N° 1 three phase transformer 20 / 25 MVA , ONAN / ONAF, 150 ± 10 x 1,5% / 6,23 kV	BELGIUM	POW
COMUNE DI MOSO IN PASSIRIA-BOLZANO-ITALY N° 1 three-phase power transformer 25 MVA , ONAF, 132 ± 10 x 15% / 20 kV, with O.L.T.C.	ITALY	POW
ALFA ACCIAI S.P.A.– ITALY N° 1 three-phase transformer repowering 80 / 80 / 16 MVA , ONAN, 130 / 22,74-11,37 / 11,37 kV	ITALY	POW
EDISON S.P.A. – ITALY N° 1 three-phase transformer 12 / 6 / 6 MVA , ONAN, 132 / 9 / 9 kV	ITALY	POW
SIDERMONTAGGI S.P.A. – ITALY N° 1 three-phase power transformer 10 MVA , OFAF, 138 / 23 kV	EQUADOR	POW

CONCAST A.G. – ZURICH-SWITZERLAND N° 1 three-phase EAF transformer 90 MVA , OFWF, 35.000 / 995 V with O.L.T.C.	RUSSIA	EAF
VAI FUCHS GMBH- GERMANY N° 1 three-phase EAF transformer 60 MVA , OFWF, 33.000 / 780 V, with O.L.T.C.	IRAN	EAF
VAI FUCHS GMBH – GERMANY N° 1 three phase LF transformer 40 MVA , OFWF, 33.000 / 610-340 V	IRAN	LF
SIDERMONTAGGI S.P.A. – ITALY N° 1 three-phase EAF transformer 25 MVA , OFWF, 23.000/650 V, with O.L.T.C.	EQUADOR	EAF
VOEST ALPINE INDUSTRIES INC. – USA N° 1 three-phase LF transformer 15 MVA , OFWF, 15.000 / 280-170 V	USA	LF
VAI FUCHS GMBH- GERMANY N° 1 LF transformer 12 MVA , OFWF, 33.000 / 280 V with O.L.T.C.	IRAN	LF
SIDERMONTAGGI S.P.A. - ITALY N° 1 three-phase LF transformer 10 MVA , OFWF, 23.000/380 V, with O.L.T.C.	EQUADOR	LF
LUCCHINI S.P.A. - ITALY N° 1 three-phase rectifier transformer 6 MVA , ONAN, 10.500 ± 2 x 2,5% / 2 x 780 V.	UKRAINE	RECT
ALFA ACCIAI S.P.A. – ITALY N° 1 shunt EAF reactor 26 MVAR , OFWF, 30-22 kV	ITALY	REACT

YEAR 2004

CUSTOMER AND CHARACTERISTICS	FINAL DESTINATION	PRODUCT
AZIENDA ENERGETICA – ITALY N° 1 three phase power transformer 100 / 100 / 50 MVA , OFAF, $214 \pm 13 \times 1,29\%$ / 66/17,5 kV , with OLTC.	ITALY	POW
FONDERIA S.A. – MEXICO N° 1 three-phase power transformer 72 MVA , ONAF, $220 \pm 2 \times 2,5\%$ / 52 kV	MEXICO	POW
AGSM VERONA S.P.A. – ITALY N° 1 three-phase power transformer 40/50 MVA , ONAN/ONAF, $132 \pm 10 \times 1,5\%$ / 21,6-10,8 kV, with O.L.T.C.	ITALY	POW
AGSM VERONA S.P.A. – ITALY N° 1 three-phase power transformer 40/50 MVA , ONAN/ONAF, $132 \pm 10 \times 1,5\%$ / 21,6-10,8 kV, with O.L.T.C.	ITALY	POW
ASO SIDERURGICA S.R.L. – ITALY N°1 three-phase power transformer 40/50 MVA , ONAN/ONAF, $132 \pm 2 \times 5\%$ /22 kV	ITALY	POW
TSA GMBH – HEISEMBERG – GERMANY N° 1 three-phase step-down transformer 20 MVA , ONAN, $30.000 \pm 2 \times 2,5\%$ / 10,5 kV	GERMANY	POW
ISOLUX WAT – SEVILLA – SPAIN N° 1 three-phase power transformer 16 / 20 MVA , ONAN / ONAF, $66.000 \pm 11 \times 1\%$ / 27 kV, for Endesa.	SPAIN	POW
TRAFILERIE GNUTTI S.P.A.– ITALY N° 1 three-phase power transformer ONAN 16 MVA $132 \pm 10 \times 1,5\%$ / 10,5 kV with O.L.T.C.	ITALY	POW
TRAFILERIE GNUTTI S.P.A.– ITALY N° 1 three-phase power transformer 16 MVA , ONAN, $132 \pm 10 \times 1,5\%$ / 10,5 kV, with O.L.T.C.	ITALY	POW
FONDERIE GUIDO GLISENTI S.P.A. – ITALY N° 1 three-phase power transformer 16 MVA , ONAN, $132 \pm 10 \times 1,5\%$ / 16 kV , with O.L.T.C.	ITALY	POW
EURALL GNUTTI S.P.A. – ITALY N° 1 three-phase power transformer 10 MVA , ONAN, $130 \pm 10 \times 1,5\%$ / 16,73 kV, with O.L.T.C.	ITALY	POW
SOGIN S.P.A. – ITALY N° 1 three-phase power transformer 6 MVA , ONAN, $150 \pm 2 \times 2,5\%$ / 6,3 kV	ITALY	POW
ACCIAIERIE VENETE S.P.A. – ITALY N° 1 three-phase EAF transformer 84 MVA , OFWF, 30.000/990-390 V , with O.L.T.C.	ITALY	EAF

I.R.O. INDUSTRIE RIUNITE ODOLESI S.P.A. – ITALY N° 1 three-phase EAF transformer 60 MVA , OFWF, 15.000 / 900 - 600 V, with O.L.T.C.	ITALY	EAF
I.R.O. INDUSTRIE RIUNITE ODOLESI S.P.A. – ITALY N° 1 three-phase EAF transformer 60 MVA , OFWF, 15.000 / 900-600 V ,with O.L.T.C.	ITALY	EAF
SIDERMONTAGGI S.P.A. – ITALY N° 1 three-phase EAF transformer 50 MVA , OFWF, 35.000 / 680-360 V , with O.L.T.C.	KAZAKHISTAN	EAF
SIDERMONTAGGI S.P.A. – ITALY N° 1 three-phase EAF transformer 50 MVA , OFWF, 35.000 / 680-360 V, with O.L.T.C.	KAZAKHISTAN	EAF
SIDERMONTAGGI S.P.A.– ITALY N° 1 three-phase EAF transformer 50 MVA , OFWF, 35.000 / 680-360 V, with O.L.T.C.	KAZAKHISTAN	EAF
VAI TECHNIKA – GERMANY N° 1 three-phase EAF transformer 50 MVA , OFWF, 35.000/500-350 V, with O.L.T.C.	RUSSIA	EAF
VAI TECHNIKA – GERMANY N° 1 three-phase LF transformer 16 MVA , OFWF, 35.000 / 320-200 V, with O.L.T.C.	RUSSIA	LF
SIDERMONTAGGI S.P.A. – ITALY N° 1 three-phase LF transformer 15 MVA , OFWF, 10.500 / 300-150 V, with O.L.T.C.	KAZAKHISTAN	LF
PAUL WURTH-LUXEMBOURG N° three-phase EAF transformer 15 MVA , OFWF, 10.500/420-270 V, with O.L.T.C.	LUXEMBOURG	EAF
UHDENORA S.P.A. – MILANO-ITALY N° 1 three-phase rectifier transformer 6,324 MVA , OFWF, 10.500 / 176-160-128 V, with O.L.T.C.	EGYPT	RECT
LUCCHINI S.P.A. – ITALY N° 1 three-phase rectifier transformer 6 MVA , ONAN, 10.500 ± 5% / 780 V.	ITALY	RECT

YEAR 2003

CUSTOMER AND CHARACTERISTICS	FINAL DESTINATION	PRODUCT
ACCIAIERIE DI SICILA S.P.A. – ITALY N° 1 three-phase power transformer 80 MVA , OFAF, 150 ± 2 x 2,5% / 11-22 kV	ITALY	POW
ETS FOCQUET – BELGIUM N° 1 three-phase transformer 30 MVA , ONAN, 70 ± 2 x 2,5% / 15 ± 2 x 2,5% kV	CONGO	POW
ETS FOCQUET – BELGIUM N° 1 three-phase power transformer 30 MVA , ONAN, 70 ± 2 x 2,5% / 15 ± 2 x 2,5% kV	CONGO	POW
SPG SOL – SLOVENIA N° 1 three-phase power transformer 12/14 MVA , ONAN / ONAF, 110 ± 10 x 1,5% / 10,5 kV, O.L.T.C	SLOVENIA	POW
BRIDI MARINO – ITALY N° 1 three-phase power transformer 12,5 MVA , ONAN, 132 ± 2 x 2,5% / 6 kV	ITALY	POW
ETS FOCQUET – BELGIUM N° 1 three-phase power transformer 12 MVA , ONAN, 132 ± 10 x 1% / 15,8 kV, with O.L.T.C.	CONGO	POW
BUSI IMPIANTI S.P.A. – ITALY N° 1 three-phase power transformer 12 MVA , ONAN, 132 ± 10 x 1% / 15,8 kV with O.L.T.C.	ITALY	POW
FONDERA S.A. – MEXICO N° 1 three-phase power transformer 10 MVA , ONAF, 55.000 ± 6 x 1,5% / 3150 V , with O.L.T.C.	MEXICO	POW
TECHINT TECHNOLOGIES S.P.A. – ITALY N° 1 three-phase EAF transformer for 45 MVA+10% , OFWF, 33.000 / 680-360 V, with O.L.T.C.	CHINA	EAF
VAI TECHNIKA – GERMANY N° 1 three-phase LF transformer 18 MVA , OFWF, 35.000 / 310-200 V, with O.L.T.C	UKRAINA	LF
VAI TECHNIKA – GERMANY N° 1 three-phase LF transformer 10 MVA , OFWF, 6000 / 272-186 V	CHINA	LF
UHDENORA S.P.A. – ITALY N° 1 three-phase rectifier transformer 11,97 MVA , OFWF, 34.500/2 x 530 V, with O.L.T.C.	TURKEY	RECT
UHDENORA – ITALY N° 1 rectifier transformer 5,08 MVA , OFWF, 13.800 / 248-129 V, 60 Hz with O.L.TC.	SAUDI ARABIA	RECT

UHDENORA-MILANO- ITALY N° 1 rectifier transformer 5,08 MVA , OFWF, 13.800 / 248-129 V, 60 Hz with O.L.TC.	SAUDI ARABIA	RECT
CIET S.P.A.- AREZZO- for R.FI. S.P.A.- ITALY N° 1 three-phase rectifier transformer 3,88 MVA , ONAN, 132 ± 3 x 4% / 2 x 2,71 kV	ITALY	RECT
CIET S.P.A.- AREZZO- for R.FI. S.P.A.- ITALY N° 1 three-phase rectifier transformer 3,88 MVA , ONAN, 132 ± 3 x 4% / 2 x 2,71 kV	ITALY	RECT
ASO SIDERURGICA S.R.L. – ITALY N° 1 oil reactor 3 x 210 Kvar , OFAF, shunt type 22 kV	ITALY	REACT
TECHINT TECHNOLOGIES S.P.A.- MILANO-ITALY N° 1 three-phase EAF shunt reactor 3 x 1500 kVAR , OFWF, 33 kV	CHINA	REACT

YEAR 2002

CUSTOMER AND CHARACTERISTICS	FINAL DESTINATION	PRODUCT
ABB T&D for ACCIAIERIE DI BOLZANO – ITALY N° 1 three phase transformer 100 MVA , OFAF, 220 ± 10 x 1,5% / 65 kV , with OLTC	ITALY	POW
VAI TECHNIKA – GERMANY N° 1 three-phase LF transformer 18 MVA , OFWF, 35.000 / 310-200 V, with O.L.T.C.	UKRAINA	LF
CHEMOSTAL for ROMANIA N°1 three-phase transformer ferro alloy electric arc furnace 6 MVA , OFWF, 20.000 / 124-94 V , with O.L.T.C.	ROMANIA	EAF
TECHINT TECHNOLOGIES S.P.A. –ITALY N° 1 single phase LF transformer with built-in reactor 3 MVA , OFWF, 15.000/300-80 V with O.L.T.C.	ITALY	LF
UHDENORA S.P.A. – MILANO – ITALY N° 1 rectifier three-phase transformer 13510 kVA , OFWF, 60.000/373-132,5 V, with O.L.T.C.	MAROCCO	RECT
PAUL WURTH – LUXEMBOURG N° 1 series shunt reactor 3650 kVAR , OFWF, 10 kV	LUXEMBURG	REACT
UHDENORA-MILANO- ITALY N° 1 rectifier transformer 5,08 MVA , OFWF, 13.800 / 248-129 V, 60 Hz with O.L.TC.	SAUDI ARABIA	RECT
CIET S.P.A.- AREZZO- for R.FI. S.P.A.- ITALY N° 1 three-phase rectifier transformer 3,88 MVA , ONAN, 132 ± 3 x 4% / 2 x 2,71 kV	ITALY	RECT

YEAR 2001

CUSTOMER AND CHARACTERISTICS	FINAL DESTINATION	PRODUCT
FERALPI SIDERURGICA S.P.A. – ITALY N° 1 three-phase power transformer 100/103/30 MVA , OFAF, 132 ± 2 x 2,5% / 16-32,15 / 15 kV	ITALY	POW
ACCIAIERIE DI CALVISANO S.P.A. – ITALY N° 1 three-phase transformer 100/103/30 MVA , OFAF, 132 ± 2 x 2,5% / 16-32,15 / 15 kV	ITALY	POW
ACCIAIERIE VENETE S.P.A. – ITALY N° 1 three-phase power transformer 100 MVA , OFAF, 220 ± 10 x 1,5% / 33 / 7,4 kV , with OLTC	ITALY	POW
SIDEGUA SIDERURGICA GUATEMALA- GUATEMALA N° 1 three-phase power transformer 60 MVA , OFAF, 230 ± 2 x 2,5% / 22,8 kV	GUATEMALA	POW
ENEL PRODUZIONE S.P.A. – ITALY N° 1 three-phase power transformer 58 MVA , OFAF, 244 / 65 kV	ITALY	POW
ABB WIEN- AUSTRIA N° 1 three-phase transformer 20/25 MVA , ONAN/ONAF, 110 ± 10 x 1,5% 6,3 kV , with O.L.T.C.	AZERBAIJAN	POW
ABB WIEN- AUSTRIA N° 1 three-phase transformer 20/25 MVA , ONAN/ONAF, 21 ± 2 x 2,5% / 6,3 kV	AZERBAIJAN	POW
ACCIAIERIE VENETE S.P.A. – ITALY N° 1 three-phase LF transformer 10/12 MVA , OFWF, 20.000 / 250-150 V, with O.L.T.C.	ITALY	LF
VAI FUCHS GmbH – GERMANY N° 1 three-phase LF transformer 10 MVA , OFWF, 6000 / 250-180 V, with O.L.T.C.	CHINA	LF
LUCCHINI S.P.A. – ITALY N° 1 rectifier three-phase transformer 6 MVA , ONAN, 10.500 ± 2 x 2,5% / 2 x 780 V	ITALY	RECT

YEAR 2000

CUSTOMER AND CHARACTERISTICS	FINAL DESTINATION	PRODUCT
ABS ACCIAIERIE BERTOLI SAFAU – ITALY N° 1 three-phase power transformer 120 MVA , ONAF, 220 ± 10 x 1,5% / 21 with OLTC	ITALY	POW
ACCIAIERIA VALSUGANA – ITALY N° 1 three-phase power transformer 120 MVA , ONAF, 220 ± 10 x 1,5% / 33 kV	ITALY	POW
OFFICINE MECCANICHE GALTAROSSA – ITALY N° 1 three-phase power transformer 40 MVA , ONAN, 220 ± 2 x 2,5% / 33 kV	ITALY	POW
SIEMENS – GERMANY N° 1 three-phase power transformer 18 MVA , ONAN, 110 ± 2 x 2,5% / 10,5 kV	SPAIN	POW
AGSM VERONA S.P.A. – ITALY N° 1 three-phase power transformer 13,3/7,05/13,3 MVA , ONAN, 133 / 54,3 / 10 kV	ITALY	POW
SIDERPOTENZA S.P.A. – ITALY N°1 three-phase power transformer 6 MVA , ONAN, 10.000 ± 5% / 6000 V	ITALY	POW
ASO SIDERURGICA S.R.L. – ITALY N° 1 three-phase EAF transformer 48 MVA , OFWF, 22.000 / 650-350 V, with O.L.T.C.	ITALY	EAF
ACCIAIERIE VENETE S.P.A. – ITALY N° 1 LF transformer 12 MVA , OFWF, 20.000/250-150 V, with O.L.T.C.	ITALY	LF



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