



BASÖZ

e n e r j i

Transmission and Distribution Line Towers - Steel Construction of High Voltage Substations
Polygon Towers - Radio Link, GSM and TV Transmitter Towers

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Afghanistan Albania Algeria Armenia Aruba Australia Azerbaijan Bolivia Brazil Canada Chile Democratic Republic of the Congo Dominican Republic Ecuador Egypt Estonia Ethiopia Finland Georgia Guatemala India Indonesia Iraq Ireland Israel Italy Jordan Kazakhstan Kenya Kuwait Lebanon Lithuania Mexico Morocco Mozambique New Caledonia Nicaragua Nigeria Northern Cyprus Norway Pakistan Panama Peru Portugal Qatar Rwanda Saudi Arabia Singapore Slovakia South Korea Sweden Switzerland Taiwan Tajikistan Thailand United Arab Emirates United Kingdom United States Uruguay Venezuela

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COUNTRY



BAŞÖZ ENERJİ A.Ş. was founded in 1975 originally as an unincorporated company by Mr. Ayhan BAŞÖZ and transformed into an incorporated company in 1992.

BAŞÖZ ENERJİ A.Ş. has started construction of a new factory in May 2004, on a 38.000 m2 plot of land in Başkent Industrial Zone, which is put into operation in 2006.

Property size	: 38.000 m2
Closed area	: 7.000 m2
Production area	: 6.500 m2
Office facilities	: 500m2
Laboratory area	: 30m2



- The capital of BA OZ ENERJi is 1.750.000 USD.

Since establishment, the Company aimed to take a key role in energy field of activities. The Company has started up with the fabrication of 34.5 kV Energy Transmission Line towers and substations and then capabilities were extended to design, manufacturing and erection of

- 34.5 kV, 154 kV and 380 kV Energy Transmission Lines
- GSM, Radio Link and TV transmission towers
- Transformer and distribution substations
- Lattice and polygonal lighting poles
- And other steel constructions.



Since 1983, BASOZ ENERJi has also been servicing hot dip galvanizing. BASOZ ENERJi has contributed on the quality management system and in 1997 the system fulfilled the requirements of TS-EN-ISO 9002 Quality System. With elite managerial and engineering staff and experienced technical crews, BASOZ ENERJi aims to have a growing market share, giving importance to team work, quality service and customer satisfaction.



• ENERGY TRANSMISSION LINES

In the field of 380 kV, 154 kV and 34.5 kV Energy Transmission Lines;

Contracting of;

- Survey and design
- Manufacturing and galvanizing
- Erection
- Conductor and hardware supplies
- Wiring

On turnkey basis.

BA OZ ENERJİ is also experienced in construction of LV and MV urban electricity networks.

380 kV, 154 kV and 34.5 kV Energy Transmission Lines;





• TRANSFORMER AND DISTRIBUTION SUBSTATIONS

In the field of 380 kV and 154 kV substations, Contracting of;

- Survey and design
- Manufacturing and galvanizing.



• GSM ANTENNA TOWERS

In the field of networks for TURKCELL, TELSİM, ARIA and AYCELL GSM operators;

- Design
- Manufacturing
- Erection of;

Lattice and polygonal type antenna poles for building roofs.



Lattice and polygonal type antenna poles for building roofs.



Lattice type transmission towers of various heights from 30 m to 70 m.

• RADYO LINK and TV ANTENNA TOWERS

Design, manufacturing and erection of different types of antenna towers

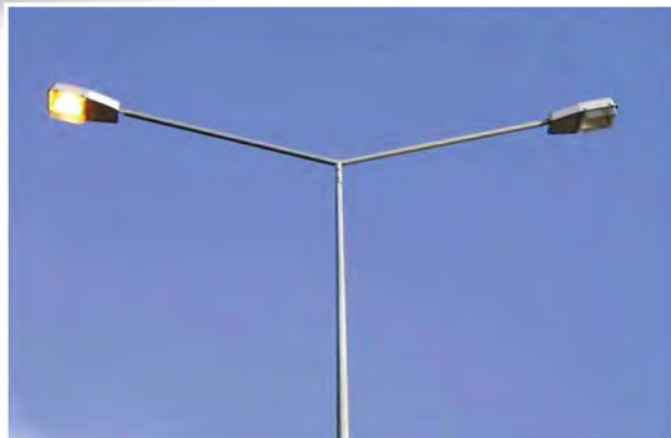
for various Radio and TV Broadcasting Companies, Private and Official Institutions.



• LIGHTING POLES

Lighting poles;

- of heights between 3 m and 15 m
- having 1 to 4 brackets
- with straight or bended brackets

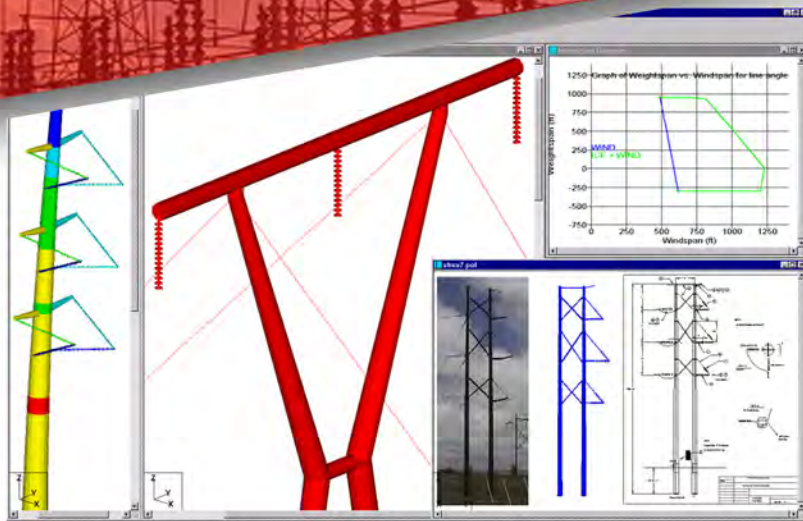


Polygonal projection poles;

- of heights between 8 m and 18 m
- with or without resting platforms
- with safe or portable ladders



Lattice type stadium lighting towers of various heights and technical specifications according to the customers' needs.

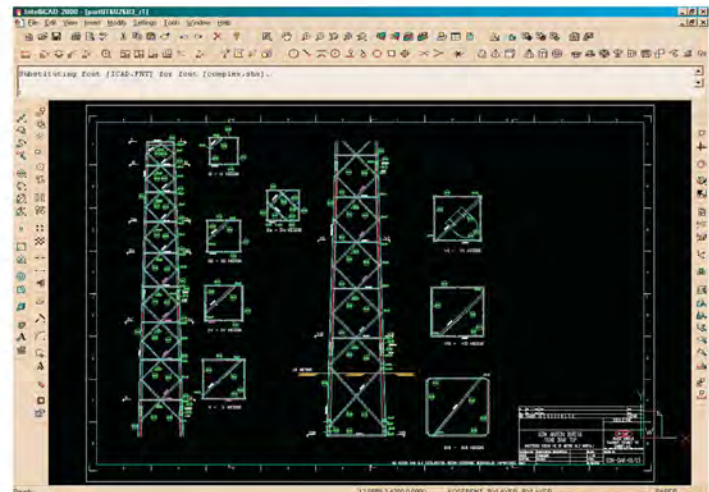
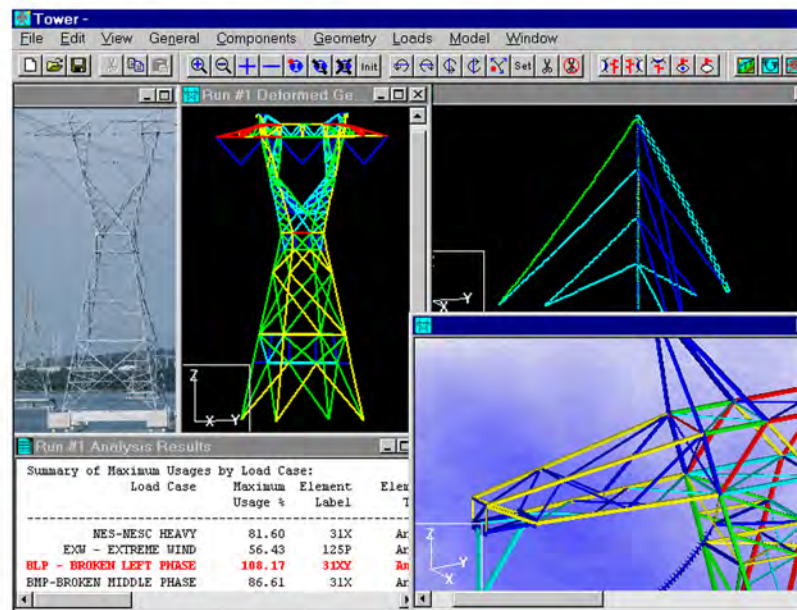


• DESIGN

Due to the customers' needs, design of different types of antenna towers and lighting poles are performed within the BAŞÖZ ENERJİ A.Ş.

In design activities the following computer software are being used;

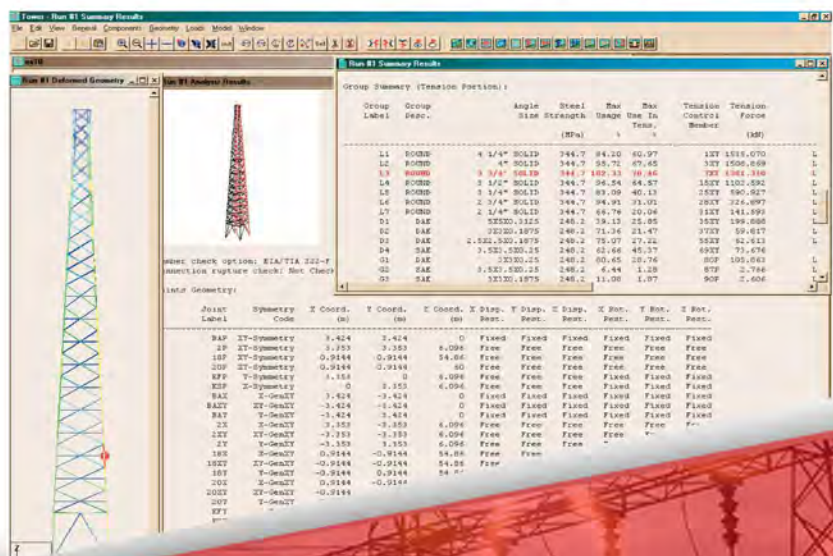
- SAP2000 "Three Dimensional Static & Dynamic Finite Element Analysis and Design of Structures"
- TOWER "Analysis and Design of Steel Latticed Towers"
- PLS-POLE "Steel Poles and Frames"



In the design activities;

- Design loads are calculated according to TIA/EIA-222 standard
- The member checks are performed according to ASCE Manuel 52 or "Design of Steel Pole Structures" ASCE Manuel 72.

Shop drawings are prepared by using the computer software Xsteel, "3D Steelwork Modeling, Detailing and Material Listing System".



• TOWERS DESIGNED BY BA OZ ENERJİ

TYPE I - GSM BASE ANTENNA TOWERS (UZE- KSE Series)



Tower Heights: +20m- 50m
+60m- 95m

Design Parameters

GSM ANTENNA

Dimensions : 2450 mm x 260 mm

Quantity : 12

MINILINK

Dimensions : 600 mm

Quantity : 4

Basic design wind speed : 160 km/h

Operational wind speed : 110 km/h

Deflection : $\pm 0.5^\circ$

Ice load : 2 cm



This type of towers are designed with a large leg span so that the container can be located under the tower, in between the legs.



TYPE II - GSM BASE ANTENNA TOWERS (T60- T95 Series)

Tower Heights: +10m- 60m
+65m- 95m

Design Parameters

GSM ANTENNA

Dimensions : 1300 mm x 260 mm

Quantity : 6

MINILINK

Dimensions : 600 mm

Quantity : 4

Basic design wind speed : 160 km/h

Operational wind speed : 110 km/h

Deflection : $\pm 0.5^\circ$

Ice load : 2 cm



GSM TRANSMISSION ANTENNA TOWERS

Tower Heights: 30m - 70m



Design Parameters
GSMANTENNA
Dimensions : 2450 mm x 260 mm
Quantity : 9
MINILINK
Dimensions : 0600 mm
Quantity : 10



Design Parameters
GSMANTENNA
Dimensions : 01200 mm
Quantity : 10

Basic design wind speed : 160 km/h
Operational wind speed : 110 km/h
Deflection : $\pm 0.5^\circ$
Ice load : 2 cm



GSM BASE ANTENNA TOWER (SPECIAL PURPOSE)

Tower Heights: 36m - 60m

Design Parameters
GSMANTENNA
Dimensions : 2450 mm x 260 mm
Quantity : 6
MINILINK
Dimensions : 0600 mm
Quantity : 4

Basic design wind speed : 170 km/h
Operational wind speed : 110 km/h
Deflection : $\pm 0.5^\circ$
Ice load : 2.5 cm



VHF&UHF ANTENNA TOWER (SPECIAL PURPOSE)

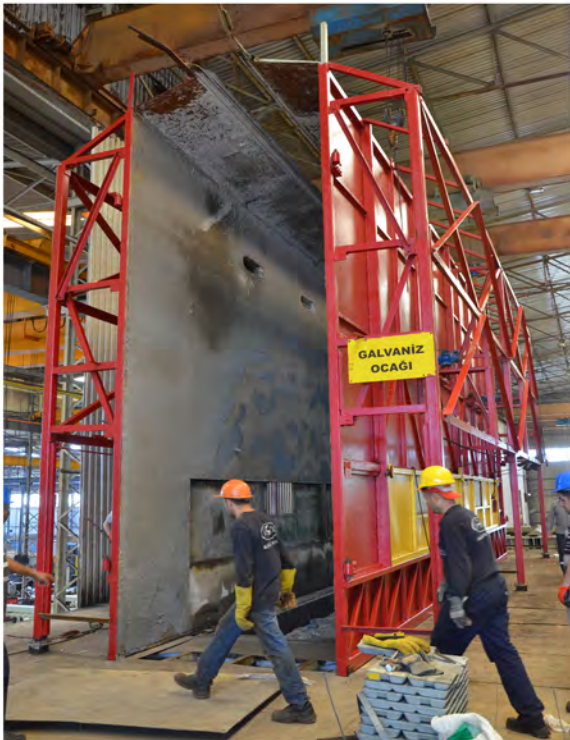
Tower Heights: 40m
Design Parameters
UHF & VHF ANTENNA
Resting Platforms: 15 m, 25 m, 28 m
Deflection: $\pm 0.5^\circ$
Ice load : 2 cm
Basic design wind speed : 120 km/h
Operational wind speed : 110 km/h

VHF ANTENNA TOWER (SPECIAL PURPOSE)

Tower Heights: 40m
Design Parameters
GSMANTENNA
Dimensions : 2200 mm x 2200 mm
Quantity : 4x4
Basic design wind speed : 160 km/h
Operational wind speed : 110 km/h
Deflection : $\pm 0.5^\circ$
Ice load : 2 cm



HOT DIP GALVANIZE
To prevent corrosion and to increase the life time.
Our bath dimensions:
(W) 1.60 x (D) 2.30 x (L) 8.50 m



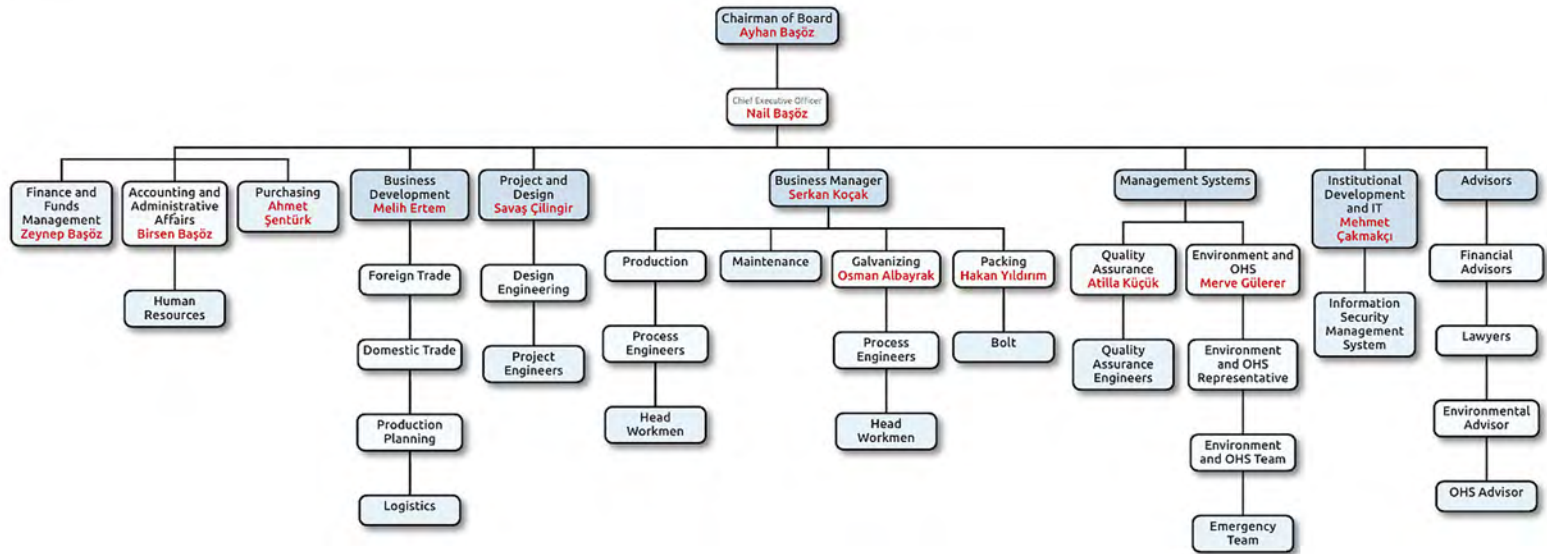
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MACHINERY PARK



UNIVERSAL PRES	5
EKSANTRİK PRES	3
HİDROLİK PRES	3
GAZALTI KAYNAK MAKİNASI	11
OKSİJEN TAKIMI	3
TORNA TEZGAHI	1
PLANYA TEZGAHI 7E-35	1
ŞANZUMANLI SÜTUN MATKAP	2
DAİRE TESTERE	1
TAŞLAMA MOTORU	1
HİDROLİK ŞERİT TESTERE	1
CNC KÖŞEBENT İŞLEME TEZGAHI	4
HİDROLİK BAYRAK DELME TEZGAHI	1
JENERATÖR	1
KOMPRESÖR	5
HİDROLİK GİYOTİN MAKAS	1
HİDROLİK ŞERİT TESTERE	1
HİDROLİK KOMBİNE MAKAS	1
ÇİNKO DALDIRMA KAZANI BAKIMI	1
S. PARK SAHASI PORTAL VİNCİ	1
S.İ. ATÖLYESİ KÖPRÜ VİNCİ	10
ASKILAMA HOLÜ KÖPRÜ VİNCİ	3
G.İ. ATÖLYESİ KÖPRÜ VİNCİ	6
B. PARK SAHASI PORTAL VİNCİ	3
HİDROLİK KOMBİNE MAKAS	1
PLANYA TEZGAHI	1
ÇEKME TEST CİHAZI (60 TON)	1
SERTLİK ÖLÇME TEST CİHAZI	1
P51 CNC BAYRAK İŞLEME TEZGAHI	1
CNC PLAZMA VE OKSİJEN SAC KESME	1
ŞABLONLU KESME MAKİNASI	1
TAŞLAMA MOTORU	1
CNC MATKAP PROFİL İŞLEME TEZGAHI	1
P112D CNC MATKAP SAC DELME TEZGAHI	1

ORGANIZATION CHART



CONTRACT CONFORMANCE LETTERS



STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2008-568	132/33 kV	26/NT/2007 Project - Iraq	2008	700
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2008-046	154kV	Zetes Substation - Turkey	2008	50
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2008-587	154kV	Afşin Elbistan – Çöllolar SS , Turkey	2008	76
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2008-026	380kV	Diler Çelik Substation	2008	50
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2008-506	380kV	Soma WEPP – Turkey	2008	175
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2008-375		NT15 Project – Iraq	2008	338
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2009-370	132/33 kV	38/NT/2008 Project - Iraq	2009	410
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2009-026	154kV	Yenişehir OSB Substation - Turkey	2009	75
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2009-200	380kV	Yedigöze Substation - Turkey	2009	320
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2009-404/477	380kV	İçdaş Bekirli Substation - Iraq	2009	245
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2008-150		33/NT/2008 Project - Iraq	2009	679
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2009-360		Cevizlik Iyidere Substation - Turkey	2009	14
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2009-401		NT16 Project - Iraq	2009	272
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2008-647	154kV	Yedigöl Substation – Turkey	2010	75
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2009-505	154kV	Andırın Substation – Turkey	2010	15
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2010-058	154kV	Fekes Substation – Turkey	2010	86
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2010-063	154kV	Dilovası Substation – Turkey	2010	83
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2010-257	154kV	Samsun II TM	2010	15
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2009-200	380kV	Yedigöze Substation – Turkey	2010	95
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2009-475	380kV	Kalkandere HEPP – Turkey	2010	55
Siemens Sanayi ve Ticaret A.Ş.	TURKEY		380kV	Adana Substation – Turkey	2010	37
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2010-142	400/132kV	IQSPP Project – Iraq	2010	582
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2008-150		33/NT/2008 Project – Iraq	2010	679
Siemens Sanayi ve Ticaret A.Ş.	TURKEY		132kV	83/NT/2007 132kV 4xSS – Iraq	2011	532
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2010-206	154kV	ARPA Substation – Turkey	2011	37
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2010-223	154kV	GEBKİM Substation – Turkey	2011	100
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2011-033	154kV	Seyitali WEPP Substation – Turkey	2011	45
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2011-189	154kV	Burçak HEPP – Turkey	2011	50
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2011-249	154kV	Devecikonağı Substation – Turkey	2011	46

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-188	154kV	BAĞIŞTAŞ HEPP Substation – Turkey	2011	60
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2010-387	380kV	Kalkandere Substation – Turkey	2011	500
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2011-136	380kV	Lodos Substation – Turkey	2011	150
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2010-169	380kV/154kV	Kozan Substation - Turkey	2011	735
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2010-030	400/132/11 kV	30/NT/2007 Project – Iraq	2011	850
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2011-103	400kV	SPP Project Baiji Substation – Iraq	2011	300
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-178		NT30 VO1 Khour Al Zübair - Iraq	2011	100
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-189	132/33kV	2/NT/2011 Project – Iraq	2012	235
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-056	132/400kV	49/NT/2008 Qurna 400kV GIS – Iraq	2012	35
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2011-277	132kV	Al Rusafa Substation – Iraq	2012	26
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2011-407	132kV	NT83 VO1 Karbala SS Extension – Iraq	2012	50
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-036	154kV	Çambaşı Substation – Turkey	2012	49
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-109	154kV	Dinar WEPP – Turkey	2012	46
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2010-096	380kV	Bekirli Substation – Turkey	2012	120
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2011-271	400kV	Al Qudus Substation – Iraq	2012	220
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-165	400kV	DB.ATT.17_380kV Maltepe GIS – Turkey	2012	40
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-063	400kV	NT75 Project SS – Iraq	2012	1100
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-104		117/NT/2010 Project – Iraq	2012	237
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-057	132kV	Stage 6 MoE KRG – IRAQ	2013	1200
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-400	132kV	Supports of 118S Project	2013	100
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2013-105	132kV	Substation for SOC Project – Iraq	2013	45
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2013-198	132kV	NT33-90 4xSS in Iraq	2013	40
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-421	154kV	Geycek Substation – Turkey	2013	90
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-441	154kV/380kV	Kartal GIS Substation – Turkey	2013	13
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-159	380kV	Lapseki-Sütlüce Submarine Cable Project	2013	110
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2013-449	380kV	SAMSUN GIS TM	2013	62
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2011-182	132kV	JICA SS - IRAQ	2014	291
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2012-380	132kV	51NT2012 2 x GIS SS – IRAQ	2014	65
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2014-080	132kV	Khabat TPP Units 1+2 AIS - Iraq	2014	175

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2014-362	132kV	Bazyan CCCP – Iraq	2014	279
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2013-419	145kV	Disconnecter Switch Supports – Nicaragua	2014	24
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2014-249	154kV	TEPEKİŞLA TM	2014	65
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2014-111	154kV/380kV	KARTAL GIS TM	2014	145
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2014-151	380kV	BANDIRMA II HV TM	2014	275
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2015-002	123kV	Disconnecter Switch Supports Project in PERU	2015	8
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2013-225	132kV	Deralok SS and Sarsenk SS- IRAQ	2015	205
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2015-037	145kV	Disconnecter Switch Supports Project in England	2015	2
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2015-124	400-132kV	Al Qudus Extension SS - Iraq	2015	40
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2015-135		CB Supports for M89 Project - IRAQ	2015	6
Siemens Sanayi ve Ticaret A.Ş.	TURKEY	TM2015-143	154kV	Kaniye RES	2015	59
Siemens AB	SWEDEN	TM2012-172	400kV	Östanjö Substation – Sweden	2012	163
Siemens AB	SWEDEN	TM2012-402	70kV	Bunge+Grötlingbo Substation – Sweden	2012	10
Siemens AB	SWEDEN	TM2013-109	130kV	STV Steel Structure Öganfagnaden-Sweden	2013	72
Siemens AB	SWEDEN	TM2012-340	400kV	Stackbo Substation – Sweden	2013	91
Siemens AB	SWEDEN	TM2012-479	400kV	CT56 Hagby – Sweden	2013	117
Siemens AB	SWEDEN	TM2012-479	400kV	CT56 Nybro Substation – Sweden	2013	193
Siemens AB	SWEDEN	TM2013-299	400kV	Loviseholm SS – Sweden	2013	126
Siemens AB	SWEDEN	TM2014-060	400kV	FT63 Nybro SS - Sweden	2014	54
Siemens AB	SWEDEN	TM2014-078	400kV	Stackbo SS – Sweden	2014	163
Siemens AB	SWEDEN	TM2015-138	400kV	Stackbo SS Extension - Sweden	2015	5
Siemens AG	GERMANY	TM2008-085	400kV	Ksara AIS – Lebanon	2008	42
Siemens AG	AUSTRIA		132kV	Rehabilitation of Vanadzor-1 Substation – Aermenia	2009	63
Siemens AG	GERMANY	TM2009-070	345 kV / 138 kV	Autopista A3 Project - Dominican Republic	2009	583
Siemens AG	GERMANY	TM2009-346	400kV	Malzenice Switchyard - Slovak Republic	2009	35
Siemens AG	GERMANY	TM2009-320		Benning Center GIS Supports – USA	2009	10
Siemens AG	AUSTRIA	TM2010-272	110kV	Ashta I + II – Albania	2011	50
Siemens AG	GERMANY	TM2010-334	150kV	Fernao Ferro GIS – Portugal	2011	38
Siemens AG	GERMANY	TM2010-382	220kV	Zambujal GIS Project	2011	8

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
Siemens AG	GERMANY	TM2010-383	220kV	Prelada GIS Project	2011	8
Siemens AG	GERMANY	TM2011-202		GIS Supports Branchburg – USA	2011	92
Siemens AG	GERMANY			Meridian Project – Canada	2011	170
Siemens AG	GERMANY	TM2011-362	230kV	Bergen GIS Supports – USA	2012	220
Siemens AG	GERMANY	TM2012-332	500kV	Connection Parts of Phachi – Thailand	2012	50
Siemens AG	GERMANY	TM2012-431	230kV	Busducts BCTC Horsey – Canada	2012	30
Siemens AG	GERMANY	TM2013-476	110kV	Ryebrook SS – Ireland	2013	15
Siemens AG	GERMANY	TM2012-366	230kV	Roseland Conversion 230 kV GIS – USA	2013	142
Siemens AG	GERMANY	TM2012-388	500kV	Hopatcong GIS – USA	2013	45
Siemens AG	GERMANY	TM2013-030		Circuit Breaker Supports Meridian Ext.1 – Canada	2013	60
Siemens AG	AUSTRIA	TM2014-096	110kV	Gedebeay and Zeyem SS – Georgia	2014	164
Siemens AG	GERMANY	TM2014-040		P-012587 Bremner TS – Canada	2014	15
Siemens AG	GERMANY	TM2015-121B	220kV	Nueva Pan de Azúcar SS Decreto 115 - Chile	2015	31
Siemens AG	GERMANY	TM2015-121D	220kV	Nueva Cardones SS Decreto 115 - Chile	2015	31
Siemens AG	GERMANY	TM2015-121F	220kV	Nueva Maitencillo SS Decreto 115 - Chile	2015	31
Siemens AG	GERMANY	TM2014-360A	330kV	GIS+GIB Belorusskaja NPP - Belarus	2015	120
Siemens AG	GERMANY	TM2015-121C	500kV	Nueva Cardones SS Decreto 115 - Chile	2015	75
Siemens AG	GERMANY	TM2015-121E	500kV	Nueva Maitencillo SS Decreto 115 - Chile	2015	119
Siemens AG	GERMANY	TM2015-121A	500kV	Nueva Pan de Azúcar SS Decreto 115 - Chile	2015	119
Siemens AG	GERMANY	TM2015-203	345kV	Tewksbury GIS National Grid - USA	2015	39
Siemens AS	NORWAY	TM2009-280	420/300kV	Svartisen SS for STATNETT – Norway	2010	47
Siemens AS	NORWAY	TM2009-290	420kV	Sima SS for STATNETT – Norway	2010	25
Siemens AS	NORWAY	TM2010-263	420kV	Saurdal SS for STATNETT – Norway	2010	6
Siemens FR	FRENCH	TM2014-244	400kV	KAIS SS - Algeria	2014	51
Siemens Ltd	THAILAND	TM2012-332	500kV	Base Parts of Phachi 2 GIS+GIB – Thailand	2012	128
Siemens US	USA	TM2014-242	230kV	GIS Supports - NJ USA	2014	60
Siemens US	USA	TM2015-252		Support Structures for West Springfield SS - USA	2015	14
Siemens US	USA	TM2015-236		Union City - Spring Valley - Tonnelle SSs - USA	2015	48
Siemens US	USA	TM2015-304		Support Structures for Jackson Road SS - USA	2015	16

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
ABB AB FACTS	SWEDEN	TM2009-176		Renner 2 Project – USA	2009	32
ABB AB FACTS	SWEDEN	TM2009-286		UniSteel Substation – Kuwait	2009	7
ABB AB FACTS	SWEDEN	TM2009-369		Mittal Steel Project - Mexico	2009	10
ABB AB FACTS	SWEDEN	TM2009-375		Escarcega SVC Project - Mexico	2009	36
ABB AB FACTS	SWEDEN	TM2009-376		La Ventosa SVC- Mexico,	2010	35
ABB AB FACTS	SWEDEN	TM2010-051		Cerro Navia Statcom – Chile	2010	8
ABB AB FACTS	SWEDEN	TM2010-186		Calvisano SVC, Italy	2010	6
ABB AB FACTS	SWEDEN	TM2010-194		Polpaico SVC – Chile	2010	9
ABB AB FACTS	SWEDEN	TM2010-225		Cotaruse – PERU	2010	30
ABB AB FACTS	SWEDEN	TM2010-291	220kV	Socabaya SVC – Peru	2010	26
ABB AB FACTS	SWEDEN			Visa Steel SVC – India	2010	8
ABB AB FACTS	SWEDEN	TM2009-377		Sunrise SC – USA	2011	63
ABB AB FACTS	SWEDEN	TM2010-078		Koniombo SVC-Q- New Caledonia	2011	20
ABB AB FACTS	SWEDEN	TM2010-300		Vilhena SVC – Brazil	2011	10
ABB AB FACTS	SWEDEN	TM2010-311		Juna Downs SVC – Australia	2011	29
ABB AB FACTS	SWEDEN	TM2010-313		SSF Steel – Taiwan	2011	4
ABB AB FACTS	SWEDEN	TM2010-314		Tyasa SVC-Q – Mexico	2011	8
ABB AB FACTS	SWEDEN	TM2011-012		Busan Posco Special Steel SVC-Q - S.Korea	2011	7
ABB AB FACTS	SWEDEN	TM2011-208		Sao Luis II – Brazil	2011	15
ABB AB FACTS	SWEDEN	TM2011-221		JSPL Angul SVC-Q – India	2011	19
ABB AB FACTS	SWEDEN			Tucurui Manaus SVC – Brasil	2011	30
ABB AB FACTS	SWEDEN	TM2011-213A		Big River SVC – USA	2012	12
ABB AB FACTS	SWEDEN	TM2011-214		Garberville SVC – USA	2012	17
ABB AB FACTS	SWEDEN	TM2011-280		Extremoz SVC-Q – Brazil	2012	22
ABB AB FACTS	SWEDEN	TM2011-310	220kV	Karavia SVC - D.R Congo	2012	13
ABB AB FACTS	SWEDEN	TM2011-334		ANDEC SVC-Q – Ecuador	2012	7
ABB AB FACTS	SWEDEN	TM2012-022		Ramco Steel – Jordan	2012	5
ABB AB FACTS	SWEDEN	TM2012-071		Anastacio SVC-U - Brazil	2012	14
ABB AB FACTS	SWEDEN	TM2012-097		LKAB Malmberget SVC-Q – Sweden	2012	9,5

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
ABB AB FACTS	SWEDEN	TM2012-202		Onca Puma SVC - Brazil	2012	0,87
ABB AB FACTS	SWEDEN	TM2012-210		Kamini Steel & Power - India	2012	10
ABB AB FACTS	SWEDEN	TM2012-273		United Steel SVC-Q – Taiwan	2012	5
ABB AB FACTS	SWEDEN	TM2013-345	115kV	Changuinola Ext. Bonyic – Panama	2013	15
ABB AB FACTS	SWEDEN	TM2012-448	230kV	Boise Bench SC Idaho Power – USA	2013	80
ABB AB FACTS	SWEDEN		400kV	Mousul – Iraq	2013	2
ABB AB FACTS	SWEDEN	TM2012-428		Sagamu Steel – Nigeria	2013	5
ABB AB FACTS	SWEDEN	TM2012-435		Musselwhite SVC-Q, Canada	2013	16
ABB AB FACTS	SWEDEN	TM2013-040		Cardones SVC-U – Chile	2013	10
ABB AB FACTS	SWEDEN	TM2013-078		Evraz SVC Light-Canada	2013	7
ABB AB FACTS	SWEDEN	TM2013-141		HPCL Test Center-Sweden	2013	6
ABB AB FACTS	SWEDEN	TM2013-160		Piloncillo Ranch SVC-Q, USA	2013	7
ABB AB FACTS	SWEDEN	TM2013-234		New Kotlaxpat SVC-U – Pakistan	2013	13
ABB AB FACTS	SWEDEN	TM2013-365	110kV	El Estor SVC-Q – Guatemala	2013	12
ABB AB FACTS	SWEDEN	TM2013-426	400kV	Hutton TCSC1 and TCSC4 platforms - Great Britain	2013	92
ABB AB FACTS	SWEDEN	TM2013-435		HHR1 and HHR6 SAVC plants - Saudi Arabia	2013	337
ABB AB FACTS	SWEDEN	TM2013-450		Standard Steel SVC-Q – USA	2013	16
ABB AB FACTS	SWEDEN	TM2014-072		Minera Escondida SVC-U - Chile	2014	16
ABB AB FACTS	SWEDEN	TM2014-228		Coatesville SVC-Q Upgrade – USA	2014	2
ABB AB FACTS	SWEDEN	TM2014-379		IIC Steel Egypt SVC-Q - Egypt	2014	10
ABB AB FACTS	SWEDEN	TM2014-106	220kV	Järva STV - Sweden	2015	17
ABB AB FACTS	SWEDEN	TM2014-393	230kV	Midpoint SC Platform - USA	2015	23
ABB AB FACTS	SWEDEN	TM2015-022		Cedar SVC - USA	2015	40
ABB AB FACTS	SWEDEN	TM2015-045		Armisdale SVC Refurbishment – Australia	2015	2
ABB AB FACTS	SWEDEN	TM2015-047		Rio Puerco SVC - USA	2015	24
ABB AB FACTS	SWEDEN	TM2015-088		Upgrade Project in California-USA	2015	1
ABB AB FACTS	SWEDEN	TM2015-088		Upgrade Project in California-USA	2015	1
ABB AB FACTS	SWEDEN	TM2015-137		Carmen SVC - Mexico	2015	11
ABB AB FACTS	SWEDEN	TM2015-139		Rio Puerco SVC Extension - USA	2015	1
ABB AB FACTS	SWEDEN	TM2015-307		Fairfield SVC - USA	2015	10

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
ABB AB HVDC	SWEDEN	TM2010-345		Fenno-Skan 2 Project - Sweden+Finland	2011	135
ABB AB HVDC	SWEDEN	TM2011-130		EWIP Project - Woodland&Shotton SS - United Kingdom	2011	115
ABB AB HVDC	SWEDEN	TM2011-234		EWIP Project - Portan SS - Ireland	2012	13
ABB AB HVDC	SWEDEN	TM2013-194		Skagerrak 4-SK3 Upgrade	2013	272
ABB AB HVDC	SWEDEN	TM2013-248		Sharyland 2 - USA	2013	54
ABB AB HVDC	SWEDEN	TM2014-326	400kV	Alytus Back to Back Converter St. Switchyard Project - Lithuania	2014	260
ABB AB HVDC	SWEDEN	TM2014-325		ÅL-Link Transmission Project - Finland	2014	47
ABB AB HVDC	SWEDEN	TM2014-388	400kV	Alytus Back to Back Converter St. Switchyard Project - Lithuania	2015	205
ABB AB Substations	SWEDEN	TM2008-249		Hjalta Substation - Sweden	2008	4
ABB AB Substations	SWEDEN	TM2008-334		Southern Terminal Substation - Australia	2008	8
ABB AB Substations	SWEDEN	TM2009-281	400kV	Storfinnforsen Substation- Sweden	2010	206
ABB AB Substations	SWEDEN	TM2009-378	400kV	Diysala GIS SS - Iraq	2010	56
ABB AB Substations	SWEDEN	TM2010-111	220/70kV	Ekbacken Substation - Sweden	2011	58
ABB AB Substations	SWEDEN	TM2011-176	220kV	Danderyd - Järva STV - Sweden	2011	50
ABB AB Substations	SWEDEN	TM2011-072	400kV	Hurva SVT - Sweden	2011	191
ABB AB Substations	SWEDEN	TM2011-073	400kV	Blaiken Substation - Sweden	2011	64
ABB AB Substations	SWEDEN	TM2011-115		Ytterberg Wind Farm - Sweden	2011	8,5
ABB AB Substations	SWEDEN	TM2012-385	145kV	Arosverket Substation - Sweden	2012	5
ABB AB Substations	SWEDEN	TM2012-167	150kV	Kaunisvaara Project - Sweden	2012	17
ABB AB Substations	SWEDEN	TM2011-350	152kV	Åmliden Wind Farm - Sweden	2012	3
ABB AB Substations	SWEDEN	TM2011-272	400/132kV	UT44 Råbäcken / Sweden	2012	113
ABB AB Substations	SWEDEN	TM2011-352	400kV	Gold Aurorum STV - Sweden	2012	32
ABB AB Substations	SWEDEN	TM2012-239	400kV	Forsmark STV - Sweden	2012	32
ABB AB Substations	SWEDEN	TM2012-062		ATBG-T Åtvidaberg Substation - Sweden	2012	50
ABB AB Substations	SWEDEN	TM2011-272	132kV	Rabacken Substation - Sweden	2013	40
ABB AB Substations	SWEDEN	TM2013-253	132kV	Drevvatn Substation - Norway	2013	4
ABB AB Substations	SWEDEN	TM2013-167		A40030-ÅT89 Upplands Väsby Substation - Sweden	2013	7
ABB AB Substations	SWEDEN	TM2013-377	400kV	Sege SS - Sweden	2014	292
ABB AB Substations	SWEDEN	TM2013-395	400kV	Djupljärn+Högnäs+Grönviken SS-Sweden	2014	236

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
ABB AB Substations	SWEDEN	TM2014-106	220kV	Järva STV - Sweden	2015	17
ABB AB Substations	SWEDEN	TM2015-083A	275kV	Ressano Garcia SS Mozambique NTG A40037-211	2015	27
ABB AB Substations	SWEDEN	TM2015-053	400kV	Vattenfall-Vietas Project in Sweden	2015	55
ABB AB Substations	SWEDEN	TM2015-100		Extension for Upplands Väsby SS - Sweden	2015	5
ABB AB Substations	SWEDEN	TM2015-183	115kV	MIT Project - Panama	2015	6
ABB AG	GERMANY	TM2013-272		Dohuk Unloading Station - Iraq	2009	37
ABB AG	GERMANY	TM2008-112	110/220kV	MEW337 Project 5xSS - Afghanistan	2010	80
ABB AG	GERMANY	TM2012-473		Dohuk Unit Electric Building	2010	10
ABB AG	GERMANY	TM2010-390		Arbeel Pipe Bridge Structure	2011	9
ABB AG	GERMANY	TM2011-092		Arbeel II Unit Electrical Building - Iraq	2011	20
ABB AG	GERMANY	TM2012-020		Sulaymaniyah GPS III Unit 7+8 - Weather Protection Roofs	2012	7
ABB AG	GERMANY	TM2012-447		Suleymaniyah Unit Electric Building	2012	5
ABB AG	GERMANY	TM2012-348		Khormala Unloading Station - Iraq	2013	187
ABB AG	GERMANY	TM2012-473		Dohuk II - Unit 5-8 - Weather Protection Roof - Iraq (UEB)	2013	14
ABB AG	GERMANY	TM2012-485		Platform Structures Khormala PP - Iraq	2013	42
ABB AG	GERMANY	TM2013-272		5 Bays Unloading Station Structures - Dohuk II - IRAQ	2013	40
ABB AG	GERMANY	TM2012-348B		Khormala PP- IRAQ	2014	70
ABB AG	GERMANY	TM2014-030		Arbeel II Unloading Station - Iraq	2014	31
ABB AG	GERMANY	TM2015-061		Khormala PP Phase 3 - Iraq	2015	351
ABB AS	ESTONIA	TM2011-151	330kV	Balti SS - Estonia	2012	20
ABB AS	NORWAY	TM2011-117	420kV	Samnanger SS - Norway	2012	123
ABB Elektrik Sanayi A.Ş.	TURKEY	TM2012-501	154kV	Eti Soda ve Beypazarı Substation - Turkey	2008	32
ABB Elektrik Sanayi A.Ş.	TURKEY	TM2008-126	380kV	Atakaş / Iskenderun Substation - Turkey	2008	383
ABB Elektrik Sanayi A.Ş.	TURKEY	TM2009-221	154kV	Samsun Substation - Turkey	2009	50
ABB Elektrik Sanayi A.Ş.	TURKEY	TM2012-364	154kV	Meta Nikel Substation - Turkey	2012	65
ABB Elektrik Sanayi A.Ş.	TURKEY	TM2012-364	154kV	Akhisar Substation - Turkey	2012	10
ABB Elektrik Sanayi A.Ş.	TURKEY	TM2013-479	154kV	Yamanlı HEPP Substation - Turkey	2012	40
ABB Elektrik Sanayi A.Ş.	TURKEY	TM2014-314	154kV	KAVÇİM TM	2014	45
ABB Oy	FINLAND	TM2008-472	132kV	Nishat Power and Nishat Chunian Project - Pakistan	2008	110

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
ABB Oy	FINLAND	TM2009-012	110kV	Sumgait Substation – Azerbaijan	2009	12
ABB Oy	FINLAND	TM2009-327	132/15kV	Liberty Power - Pakistan	2009	64
ABB Oy	FINLAND	TM2010-099	110kV	Akshabulak Substation – Kazakhstan	2010	140
ABB Oy	FINLAND	TM2010-178	110kV	Kumkol GTP – Kazakhstan	2010	143
ABB Oy	FINLAND	TM2010-280	123kV	Kashagan Substation-Kazakhstan	2010	9
ABB Oy	FINLAND	TM2010-298	132/33	Kipevu 1 Substation – Kenya	2010	13
ABB Oy	FINLAND	TM2010-296	66kV	Petrociverca Substation – Venezuela	2010	6
ABB Oy	FINLAND	TM2010-274	110kV	Yeni Yashma SS – AZERBAIJAN	2011	22
ABB Oy	FINLAND	TM2011-258	110kV	Bayil Substation – Azerbaijan	2011	7
ABB Oy	FINLAND	TM2011-273	220kV	Zabrat + Hovsan + Govshag Substations – Azerbaijan	2011	114
ABB Oy	FINLAND	TM2011-064	72kV	Seaboard - Dominican Republic	2011	11
ABB Oy	FINLAND	TM2012-117	110kV	KIISA ERPP1 SS – Estonia	2012	6
ABB Oy	FINLAND	TM2011-273	220kV	Mushfig SS – Azerbaijan	2012	110
ABB Oy	FINLAND	TM2012-197	400kV	Hikia Substation – Finland	2012	116
ABB Oy	FINLAND	TM2013-335	110kV	Athi River Substation – Kenya	2013	20
ABB Oy	FINLAND	TM2013-157	275kV	CTRG SS – Mozambique	2013	150
ABB Oy	FINLAND	TM2013-057	330kV	KIISA ERPP2 SS – Estonia	2013	24
ABB Oy	FINLAND	TM2013-373	150kV	Arun SS – Indonesia	2015	85
ABB Oy	FINLAND	TM2015-131	150kV	Gorontalo PP - Indonesia	2015	55
ABB Schweiz AG	SWITZERLAND	TM2011-305	500kV	HIWASSEE Substation – USA	2012	35
ABB Secheron	SWITZERLAND	TM2012-061		Magnetique CB Frames - Switzerland	2012	2

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
Alstom Grid	TURKEY	TM2011-120	154kV	Güllübağ Substation – Turkey	2011	83
Alstom Grid	TURKEY	TM2012-112	154kV	Poyraz WEPP – Turkey	2011	32
Alstom Grid	TURKEY	TM2012-374	154kV	Kandil Substation – Turkey	2011	24
Alstom Grid	TURKEY	TM2012-221	110/220kV	Qizildash -Sangachal Substation – Azerbaijan	2012	40
Alstom Grid	TURKEY	TM2011-102	154kV	Garzan Substation – Turkey	2012	65
Alstom Grid	TURKEY	TM2012-374	154kV	Kandil-Elbistan B Substation – Turkey	2012	10
Alstom Grid	TURKEY		154kV	Ulucak Substation – Turkey	2012	42
Alstom Grid	TURKEY		154kV	Doruk HEPP Substation – Turkey	2012	45
Alstom Grid	TURKEY	TM2012-506	110kV	Khurdalan Substation – Azerbaijan	2013	95
Alstom Grid	TURKEY	TM2013-019	154kV	Yalnizardiç Substation – Turkey	2013	60
Alstom Grid	TURKEY	TM2013-317	154kV	Trakya Döküm Substation – Turkey	2013	50
Alstom Grid	TURKEY	TM2012-391	380kV	Izdemir Substation – Turkey	2013	83
Alstom Grid	TURKEY	TM2012-462	380kV	Beyhan I Substation – Turkey	2013	430
Alstom Grid	TURKEY	TM2012-484	380kV	Silopi Substation – Turkey	2013	360
Alstom Grid	TURKEY	TM2013-070	380kV	Tufanbeyli Substation – Turkey	2013	56
Alstom Grid	TURKEY	TM2013-140	380kV	Kozan Substation Ext – Turkey	2013	182
Alstom Grid	TURKEY	TM2012-243	400kV	Tzafit Substation – Israel	2013	80
Alstom Grid	GERMANY	TM2013-370	500kV	Nurek SS – Tajikistan	2013	44
Alstom Grid	TURKEY	TM2014-299	154kV	ALASEHIR JES TM	2014	46
Alstom Grid	TURKEY	TM2014-293	170kV	TEIAS - Kesici Mesnedi Projesi	2014	55
Alstom Grid	TURKEY	TM2014-238	20kV	Devoll-Elbasan II SS – Albania	2014	35
Alstom Grid	TURKEY	TM2013-488	380kV	GAMA Kirikkale DGKCS AİŞ TM	2014	367
Alstom Grid	TURKEY	TM2014-337	380kV	ZETES-3 GIS	2014	165
Alstom Grid	FRENCH	TM2014-138	400kV	Steel Support for Cable - Morocco	2014	3
Alstom Grid	FRENCH	TM2014-327	400kV	Cubicles Supports LAAYOUNE - Morocco Project	2014	4
Alstom Grid	FRENCH	TM2014-031		Miscellaneous Fittings for SWL Project – Sweden	2014	125
Alstom Grid	FRENCH	TM2014-175		Juaymah GIS AL91+AL92+AN31 Project – Saudi Arabia	2014	235
Alstom Grid	TURKEY	TM2015-025	154kV	Alasehir JES TM	2015	3
Alstom Grid	TURKEY	TM2014-411	154kV	Kayali TM	2015	58

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
Alstom Grid	TURKEY	TM2015-046	170kV	GL313 F1TK'siz Kesici Mesnedi	2015	1
Alstom Grid	TURKEY	TM2015-065	170kV	GL313 F1TK'siz Kesici Mesnedi - Gebze	2015	4
Alstom Grid	FRENCH	TM2015-018	370/72kV	MBOP 9 AC Supports for SWL – Sweden	2015	17
Alstom Grid	FRENCH	TM2015-019	410kV	MBOP 11 HV Supports for SWL – Sweden	2015	7
Alstom Grid	FRENCH	TM2015-042		AL FAO HV013 Cable Hangers - Iraq	2015	17

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
Aksa Enerji Üretim A.Ş.	TURKEY	TM2008-013	154kV	Antalya Substation – Turkey	2008	375
Aksa Enerji Üretim A.Ş.	TURKEY		154kV	Manisa Substation – Turkey	2008	20
Andritz Hydro GmbH	AUSTRIA	TM2010-027	400kV	Bemposta HEPP – Portugal	2010	31
Andritz Hydro GmbH	AUSTRIA	TM2010-226	230kV	Chacayes Substation – Chile	2010	113
Andritz Hydro GmbH	AUSTRIA	TM2011-167	132kV	Kindaruma PP – Kenya	2011	30
Andritz Hydro GmbH	AUSTRIA	TM2013-102	220kV	Baixo Sabor – Portugal	2013	76
Andritz Hydro GmbH	AUSTRIA	TM2014-424	220kV	Steel Structures for Cerro del Auqila PP Part 2-Peru	2015	70
Andritz Hydro TR	TURKEY	TM2009-498	154kV	Siirt and Kurtalan Substations – Turkey	2009	14
Andritz Hydro TR	TURKEY	TM2009-334		Alkumru Substation – Turkey	2009	71
Andritz Hydro TR	TURKEY	TM2011-324	154kV	Tatar + Seyrantepe TM	2012	100
Andritz Hydro TR	TURKEY	TM2012-242	154kV	Ordu HES TM	2013	80
Areva T&D Enerji Endüstrisi A.Ş.	TURKEY	TM2008-573		Bahçe WEPP – Turkey	2008	47
Areva T&D Enerji Endüstrisi A.Ş.	TURKEY	TM2009-020	154kV	Mazi III WEPP Substation – Turkey	2009	35
Areva T&D Enerji Endüstrisi A.Ş.	TURKEY	TM2009-403	154kV	Hacıninoğlu Substation – Turkey	2009	60
Areva T&D Enerji Endüstrisi A.Ş.	TURKEY	TM2009-497	154kV	Otluca Substation – Turkey	2009	45
Areva T&D Enerji Endüstrisi A.Ş.	TURKEY	TM2009-509	154kV	Çamlıca Substation – Turkey	2009	57
Areva T&D Enerji Endüstrisi A.Ş.	TURKEY	TM2009-004	380kV	Yolbulan Baştaşı Substation – Turkey	2009	220
Areva T&D Enerji Endüstrisi A.Ş.	TURKEY	TM2010-017		SOMA WEPP – Turkey	2010	52
Avni Ulutaş	TURKEY	TM2008-267	154kV	TEİAŞ Alanya Substation – Turkey	2008	125
Avni Ulutaş	TURKEY	TM2008-267	154kV	TEİAŞ Baştaşı Substation – Turkey	2008	39
Avni Ulutaş	TURKEY		154kV	TEİAŞ Sivas Substation – Turkey	2008	94
Avni Ulutaş	TURKEY	TM2008-253		TEİAŞ Batman II Substation – Turkey	2008	39
Aydın Enerji	TURKEY	TM2009-038	132/33kV	Telafer SS – Iraq	2009	22
Baku Turk Kabel MMC	AZERBAIJAN		110kV	Reinforcement of Substation – Azerbaijan	2008	10
Bereket Enerji Üretim A.Ş.	TURKEY	TM2008-219	154kV	Sivas Koyulhisar Substation – Turkey	2008	81
Bereket Enerji Üretim A.Ş.	TURKEY	TM2010-163	154kV	Çırakdamı HEPP – Turkey	2011	52
Bereket Enerji Üretim A.Ş.	TURKEY	TM2011-065	154kV	Osmanca Substation – Turkey	2011	4
Bereket Enerji Üretim A.Ş.	TURKEY	TM2011-067	154kV	Düzce-Aksu Substation – Turkey	2011	44
Bereket Enerji Üretim A.Ş.	TURKEY	TM2011-068	154kV	Toros Substation - Turkey	2011	37

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
Bereket Enerji Üretim A.Ş.	TURKEY	TM2012-464	154kV	Uşak WEPP – Turkey	2013	50
Caverion Sverige AB	SWEDEN	TM2013-279	145kV	Eskilstuna SS – Sweden	2013	50
Çağ-Ser	TURKEY	TM2011-404	154kV	Yeni Gediz Substation – Turkey	2012	17
Çağ-Ser	TURKEY	TM2012-245	154kV	Bayburt Substation – Turkey	2012	20
Çağ-Ser	TURKEY	TM2012-362	154kV	Aşkale Substation – Turkey	2013	50
Dokuzer Elektrik	TURKEY	TM2009-301	132kV	Karpowership Project	2009	118
Emta A.Ş.	TURKEY		154kV	MOSB Substation – Turkey	2009	30
Emta A.Ş.	TURKEY	TM2009-216		Bandırma III WEPP – Turkey	2009	45
Emta A.Ş.	TURKEY			Diyarbakır Kulp Substation – Turkey	2009	22
Emta Elektrik A.Ş.	TURKEY	TM2011-415	380kV	Denizli Substation – Turkey	2011	356
Emta Elektrik A.Ş.	TURKEY	TM2009-015	154kV	Çamseki WEPP – Turkey	2008	54
Ges Elektrik	TURKEY	TM2008-057	154kV	Osmaniye Substation – Turkey	2008	80
Ges Elektrik	TURKEY	TM2010-004	154kV	Menge HEPP – Turkey	2010	70
Ges Elektrik	TURKEY	TM2010-006	154kV	Kavşakbendi HEPP – Turkey	2010	95
Ges Elektrik	TURKEY	TM2010-005	154kV	Köprü Dam Substation – Turkey	2011	85
Ges Elektrik	TURKEY	TM2012-232	154kV	Aslancık Substation – Turkey	2012	60
Ges Elektrik	TURKEY	TM2012-256	154kV	Balıkesir WEPP Substation – Turkey	2012	55
Ges Elektrik	TURKEY	TM2013-282	220kV	Paravani Substation – Georgia	2013	120
Ges Elektrik	TURKEY	TM2014-045	380kV	ARTVIN HES TM	2014	310
Güngör Elektrik A.Ş.	TURKEY	TM2008-271	154kV	Akçalar Substation – Turkey	2008	517
Güngör Elektrik A.Ş.	TURKEY	TM2008-297	154kV	Bahçe WEPP – Turkey	2008	40
Güngör Elektrik A.Ş.	TURKEY	TM2008-136	154kV	Lara II Substation – Turkey	2008	108
Güngör Elektrik A.Ş.	TURKEY	TM2008-239	154kV	Gölköy Substation – Turkey	2008	13
Güngör Elektrik A.Ş.	TURKEY	TM2008-136	380kV	Konya IV – Uzundere - Denizli Substations – Turkey	2008	58
Güngör Elektrik A.Ş.	TURKEY	TM2008-215	380kV	Kızıltepe II Substation – Turkey	2008	111
Güngör Elektrik A.Ş.	TURKEY	TM2009-056	380kV	Borascio WEPP – Turkey	2008	10
Güngör Elektrik A.Ş.	TURKEY		154kV	Çakmaktepe Substation – Turkey	2009	79
Güngör Elektrik A.Ş.	TURKEY	TM2009-067	154kV	Izmir Ataer OSB Substation – Turkey	2009	105
Güngör Elektrik A.Ş.	TURKEY	TM2009-076	154kV	(IAOSB-ATAER)-EBSO Substation - Turkey	2009	275

STEEL STRUCTURES FOR SUBSTATIONS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
Güngör Elektrik A.Ş.	TURKEY	TM2009-074	380kV	EnerjiSa DGKÇS Substation - Turkey	2009	145
Güngör Elektrik A.Ş.	TURKEY	TM2010-168	154kV	Lüleburgaz Substation – Turkey	2010	20
Güngör Elektrik A.Ş.	TURKEY	TM2012-309	154kV	Yeşilyurt Substation – Turkey	2012	57
Güngör Elektrik A.Ş.	TURKEY	TM2013-087	154kV	Sincik (Havza Substation) – Turkey	2012	60
İnemko	TURKEY	TM2012-024	154kV	Tümosan-Aksaray Substation – Turkey	2012	17
İnemko	TURKEY	TM2012-024	154kV	Alanya 2 Substation – Turkey	2012	20
Kares A.Ş.	TURKEY		154kV	Singapore	2010	25
Kesir Mühendislik	TURKEY	TM2008-414		Izmit Entek Substation – Turkey	2008	4
Kesir Mühendislik	TURKEY	TM2009-273	154kV	Mersin WEPP – Turkey	2009	43
Kesir Mühendislik	TURKEY	TM2009-345	154kV	Gezende HEPP Substation – Turkey	2009	30
Kiyimet Trading and Contracting Lt	CYPRUS	TM2007-349	132kV/66kV	Geçitkale,Lefkoşa,Y.Erenköy,Kalecik Substations–Northern Cyprus	2008	283
Polat Elektrik	TURKEY	TM2012-398	154kV	Polat Substation – Turkey	2012	50
Setmaş A.Ş.	TURKEY	TM2008-313	154kV	Yenişehirlik Substation – Turkey	2008	107
TEİAŞ (BAŞÖZ&GES)	TURKEY		154/380kV	Hatay Substation	2011	533
Usluel	TURKEY	TM2010-248	380/154kV	VAN Substation – Turkey	2010	550
Usluel	TURKEY	TM2013-043	154kV	UŞAK OSB Substation – Turkey	2013	415

OVERHEAD LINE TOWERS

CLIENT	COUNTRY	BAŞÖZ REF.	kV	PROJECT NAME	YEAR	QUANTITY (Ton)
ABB Oy	FINLAND	TM2011-377		Line and Angle Towers KivuWatt - Rwanda	2012	14
Andritz Hydro GmbH	AUSTRIA	TM2009-500	15kV	Beles OHL extension - Ethiopia	2009	65
Bereket Enerji Üretim A.Ş.	TURKEY		154kV	Transmission Line Towers	2008	138
Bereket Enerji Üretim A.Ş.	TURKEY		154kV	Transmission Line Towers	2008	49
EAG Montage	GERMANY	TM2015-215	110kV	110kV OHL Towers Parts for WEMAG Netz Projects - Germany	2015	46
EAG Montage	GERMANY	Tm2015-288	110kV	110kV OHL Towers Steinhagen-Künsebeck - Germany	2015	129
Ema A.Ş.	TURKEY		154kV	Energy Transmission Line	2008	57
Fina Enerji A.Ş.	TURKEY		34,5kV	Energy Transmission Line	2013	338
GENSER	TURKEY	TM2014-089	500/220/110kV	OHL Towers -Tajikistan	2014	366
Industrial Engineering Comp.	LIBYA		11kV	Transmission Line Towers Executed with BOLKAR Inc.	2008	2600
İşsan İnşaat Ltd.Şti.	TURKEY		154kV	Energy Transmission Line	2012	38
Koza Elektrik	TURKEY		34,5kV	OHL Towers	2009	79
Lodos Elektrik Üretim A.Ş.	TURKEY		154kV	Energy Transmission Line	2008	20
Onmuş Elektrik A.Ş.	TURKEY		34,5kV	Energy Transmission Line	2008	109
Pitrad	RWANDA	TM2012-360	110kV	Gikondo and Musha SS and OHL Towers	2013	30
Rönesans Enerji	TURKEY		34,5kV	Energy Transmission Line	2012	122
SAG GmbH	GERMANY		110kV	Transmission System Kibuye-Karongi	2006	235
SAG GmbH	GERMANY			US Botschaft - Rwanda	2007	5
SAG GmbH	GERMANY		30kV	Transmission System Nzove - Shyorongi	2007	68
SAG GmbH	GERMANY		30kV	Cap Rubona	2008	25
Siemens Sanayi ve Ticaret A.Ş.	TURKEY		380kV	BANDIRMA II HV OHL	2014	165
SIS Rwanda	RWANDA		30kV	OHL towers for MHP RUKARA II - Rwanda	2012	49
Tektuğ A.Ş.	TURKEY		154kV	Andirin HEPP OHL Tower	2010	45
Tektuğ A.Ş.	TURKEY		345kV	Transmission Line Towers	2013	225
VaTech Hydro	GERMANY		15kV	OHL Towers for Beles - Ethiopia	2008	271
Zrd Mühendislik Ltd.Şti.	TURKEY			Akocak - Arşin SS Energy Transmission Line	2008	40

GSM LINK AND ANTENNA TOWERS

CLIENT	COUNTRY	BAŞÖZ REF.	LENGTH	PROJECT NAME	YEAR	QUANTITY (Ton)
ABB AB FACTS	SWEDEN			Tower Reinforcement-Rimberg Reinforcement Project - Germany	2008	5
ABB AG	GERMANY			Antenna Towers - Algeria Project	2008	90
ABB AG	GERMANY	TM2010-035		Lighting Poles for Dohuk	2010	24
ABB AG	GERMANY	TM2011-108	10m	Arbeel II Outdoor Lighting Steel Poles	2011	9
ABB AG	GERMANY	TM2012-078		Sulaymaniyah GPS III Unit 7+8 - Lighting Poles	2012	7
ABB AG	GERMANY			Lighting Poles for Suleymaniyah	2012	4
ABB AG	GERMANY	TM2012-0498	10m	Dohuk II - Lighting Poles - Iraq	2013	13
ABB AG	GERMANY	TM2013-168	16m	Lightning Protection Pole Khormala - Iraq	2013	3
Ampegon	GERMANY	TM2013-124	100m	Self-Supporting Tower Base Section - PROMA Amel	2013	16
Ampegon	GERMANY	TM2014-200	276m	Guyed Antenna Tower Bechar - Algeria	2014	116
Ampegon	GERMANY	TM2015-094	42m	Self-Supporting Tower - SW Korea	2015	50
Neptuno	VENEZUELA	TM2010-324	60m	3NX2-B Antenna Towers	2012	130
Neptuno	VENEZUELA	TM2010-324	30m	3NX2-B Antenna Towers	2012	45
Neptuno	VENEZUELA	TM2014-081	30m/45m/60m	Self Supported Triangular Towers - French Guiana	2014	23
Neptuno	VENEZUELA	TM2014-169	30m/42m	Antenna Towers - Bolivia	2014	45
Neptuno	VENEZUELA	TM2014-289	30m	Perfilated Monopoles - Aruba	2014	50
Neptuno	VENEZUELA	TM2014-233	40m/50m	Monopoles - Uruguay	2014	160
Neptuno	VENEZUELA	TM2015-010	30m	Perfilated Poles Aruba	2015	50
Neptuno	VENEZUELA	TM2015-180	30m	Perfilated Pole - Panama	2015	10
Technomedia Ltd	GEORGIA	TM2009-329	30m/40m	GSM Antenna Towers - Georgia	2008	22
Thomson Broadcast	GERMANY	TM2009-126	220m	Qatar Antenna Tower	2009	84
Thomson Broadcast	GERMANY	TM2009-184	45m	Egypt Antenna Tower & Grating	2009	11
Thomson Broadcast	GERMANY	TM2012-155	184m	Antenna Towers for Al Santa - Egypt	2012	25



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COUNTRY