baran
STEEL & GALVANIZING

SINCE 1978 · ANKARA, TÜRKİYE

Galvanized steel structures for

Energy

Telecommunication

Lighting

Defence & Aviation

Camera & Gantries

Custom Steel Structures

www.barancelik.com.tr





BARAN AT A GLANCE

One site, from raw steel to galvanized structure

1978
Founded in Ankara; incorporated 1988

28,000 m²
Site area, of which 11,000 m² covered

159
Employees

50+
Countries supplied

40,000 t/yr
Fabrication: 36,000 t lattice + 4,000 t polygonal poles

40,000 t/yr
In-house hot-dip galvanizing

baran STEEL & GALVANIZING

WHY BARAN

Six reasons customers come back

01

One site

Design, CNC fabrication, hot-dip galvanizing, trial assembly and packing under one management.

02

Telecom specialist

Towers for 30+ operators, network vendors and tower companies, including Ericsson, Nokia, Huawei, Vodafone, Orange, Zain, Beeline and Turkcell.

03

Up to 500 kV

Transmission towers at 8 voltage levels. TEİAŞ-qualified manufacturer of 380 kV towers.

04

In-house engineering

PLS-Tower, PLS-Pole, Tekla, SAP2000 and IDEA StatiCa. Drawings for your approval.

05

On-time delivery

Material, fabrication and galvanizing planned in one schedule on one site, so your structures ship when we promised.

06

50+ countries

Structures delivered to 50+ countries. Certified to ISO 9001, ISO 14001 and ISO 45001, EN ISO 1461, EN 1090-1 (up to EXC3) and EN ISO 3834-2.

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OUR STORY

From a small workshop to a plant trusted in 50+ countries

Where we started

A small steel workshop in Ankara

How we grew

An integrated plant with its own hot-dip galvanizing

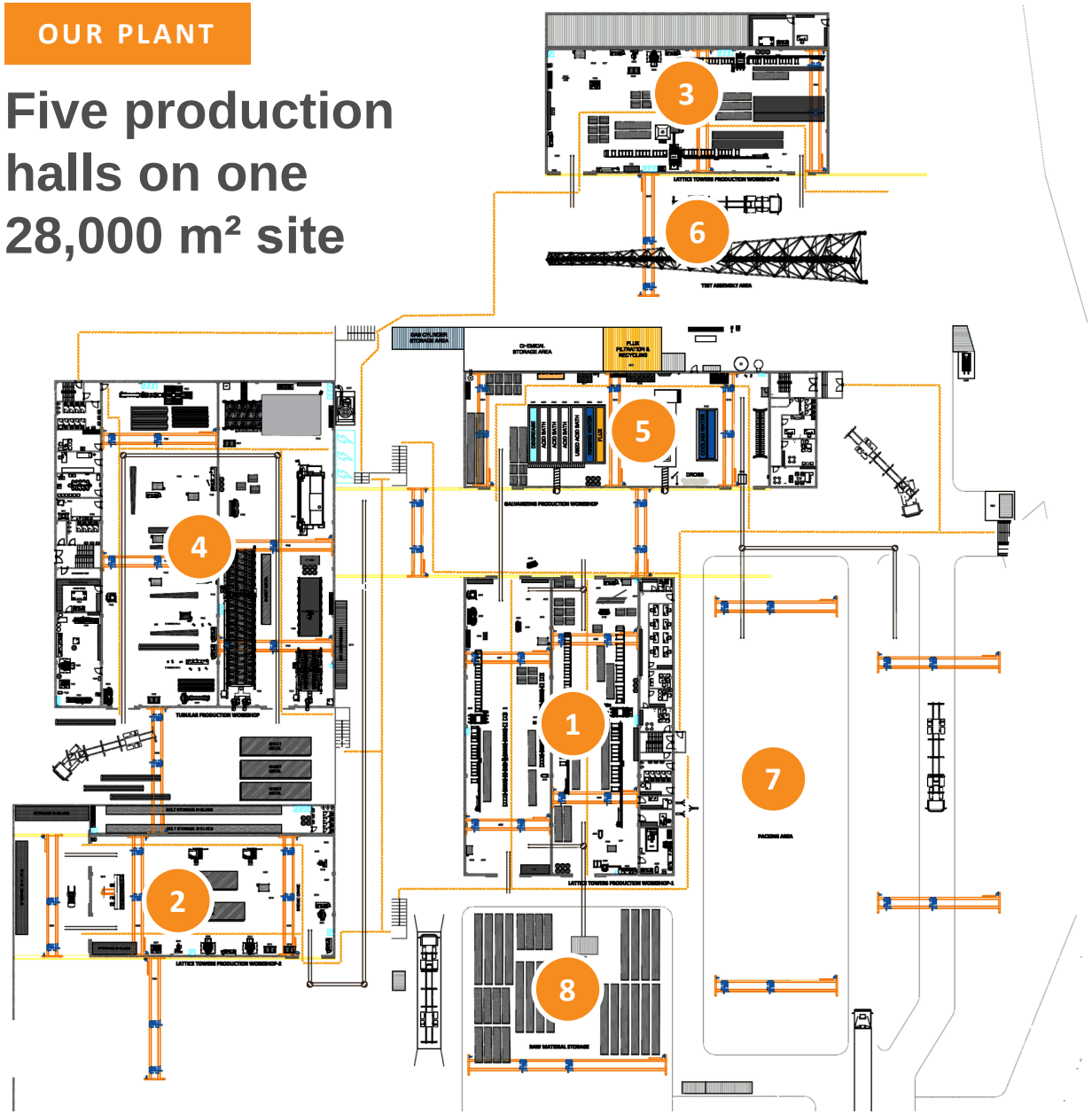
Where we are today

CNC and laser lines, in-house engineering and an ERP on Microsoft Dynamics 365 Business Central



OUR PLANT

Five production halls on one 28,000 m² site

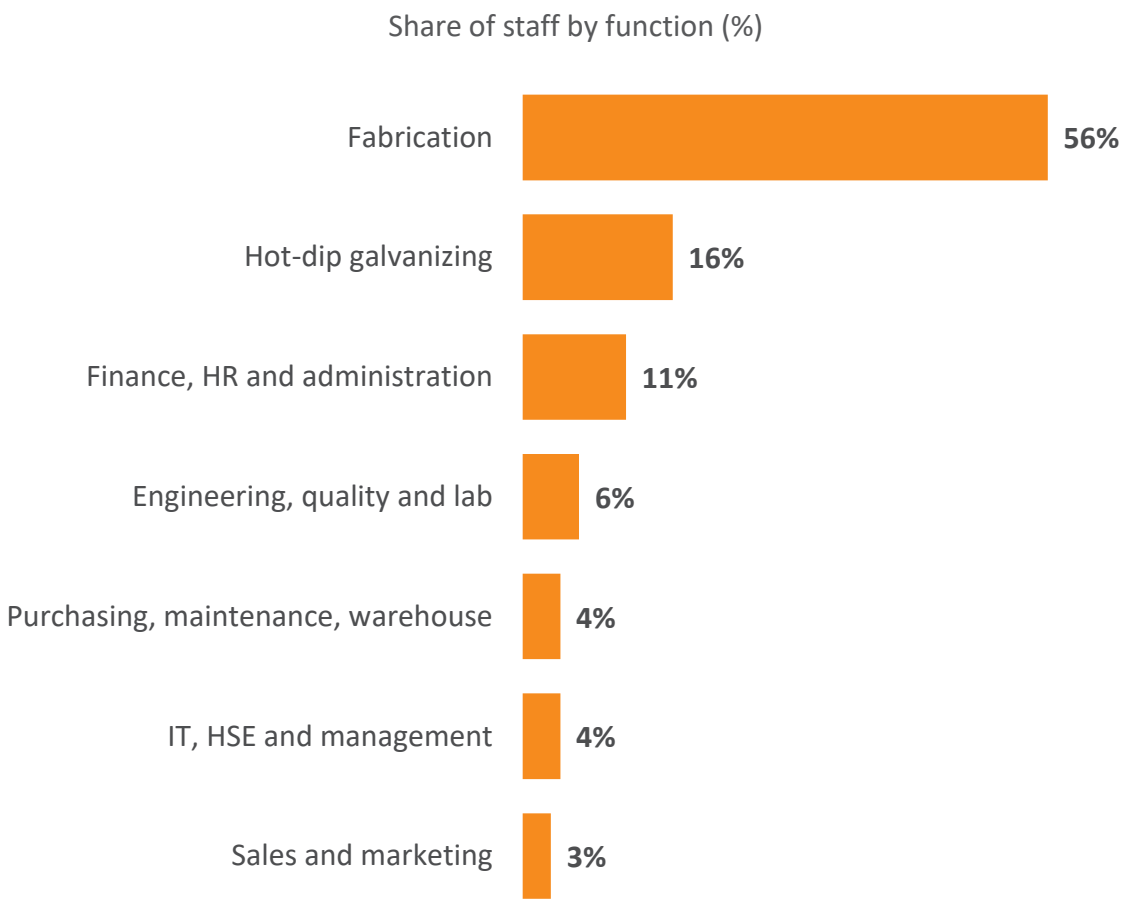


1. Lattice hall A
2. Plate hall B
3. Lattice and assembly hall M
4. Pole hall P
5. Galvanizing
6. Trial assembly
7. Packing
8. Raw material yard

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OUR PEOPLE

159 people, most of them with us for years





52%

with Baran for more than 10 years

29%

for more than 20 years

12.5 years

average time with the company

PRODUCT RANGE

250+ product types in six sectors

BARAN · 250+ product types

Energy	Telecommunication	Lighting	Defence & Aviation	Camera & Gantries	Custom Steel Structures
Transmission towers	GSM towers and poles	Street lighting poles	Air defence and camera towers	Sign and toll gantries	Telecom site accessories
Substation structures	Radar towers	High-mast floodlight poles	Observation and training towers	Camera poles	Canopies, garages and warehouses
Railway catenary masts	Base-station solar carriers	Stadium lighting towers			Steel buildings and special frames to your design
	Meteorology masts				
	TV and radio masts				

Eight voltage levels from 35 kV to 500 kV · lattice, tubular, polygonal and welded designs · built to our designs or to yours

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ENERGY · TRANSMISSION

Transmission towers from 35 kV to 500 kV

Voltage levels

35 kV	110 kV	132 kV	154 kV
220 kV	**380 kV**	**400 kV**	**500 kV**

- Single and double circuit; suspension and tension towers
- Stub-leg or anchor-bolt foundations
- TEİAŞ-qualified manufacturer of 380 kV towers
- Built to the utility's type designs or the drawings you supply. If you need a new or optimized tower, our engineers design it in PLS-Tower to EN 50341 or your specification.

Transmission towers supplied to

Türkiye · Iraq · Turkmenistan · Uzbekistan · Azerbaijan · Georgia · Bulgaria · Turkish Republic of Northern Cyprus

Example projects

- 500 kV and 400/132 kV transmission lines in Iraq
- 380 kV grid lines in Türkiye
- 220 kV and 220/110 kV lines across Turkmenistan
- 35 kV to 154 kV lines in Azerbaijan
- 110 kV and 154 kV lines in Georgia
- Transmission lines in Bulgaria and the Turkish Republic of Northern Cyprus
- Anchor-bolt sets for the 225 kV Garoua–Maroua line, Cameroon (Kontrolmatik)



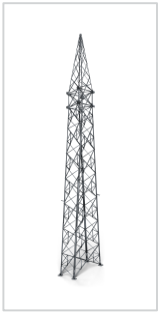
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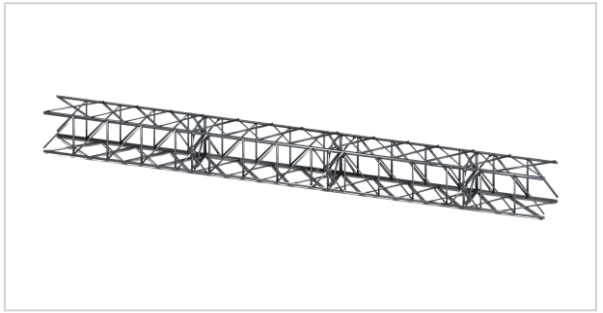
ENERGY · SUBSTATIONS

Substation structures for 35 kV to 500 kV switchyards

Pylons, beams and equipment supports in lattice, tubular or other steel sections, anchor-bolted. Most of our substation structures are designed by our own engineers; we also build to your drawings.



Pylons



Beams



Busbar portals

Example projects

- Electro Industries, Azerbaijan
- Tina River 66 kV switchyard, Solomon Islands
- 220/110 kV substations in Turkmenistan for Metro Electric and Çalık Energy
- ABB 380 kV Soma and AREVA 380/154 kV Ağrı, Türkiye
- Siemens Mobility, Siemens Energy and Hitachi Energy, Türkiye
- Tozeur and Sidi Bouzid substations, Tunisia (Hitachi / HIC)
- Dren RES Dubrovo substation, North Macedonia (YEO)
- Substations in Georgia, Ghana, Kenya, Tanzania and Ethiopia

ENERGY · RAILWAY

Catenary masts for electrified railways

Masts that carry the overhead contact line of electrified railways, in three structural types:

Lattice masts

2- and 4-legged

Tubular masts

Single-pole masts

Welded masts

1-, 2- and 4-legged, in tubular or other steel sections

Hot-dip galvanized in our own plant to EN ISO 1461.



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TELECOM · OUR STRONGEST LINE

Towers and masts for the telecom industry



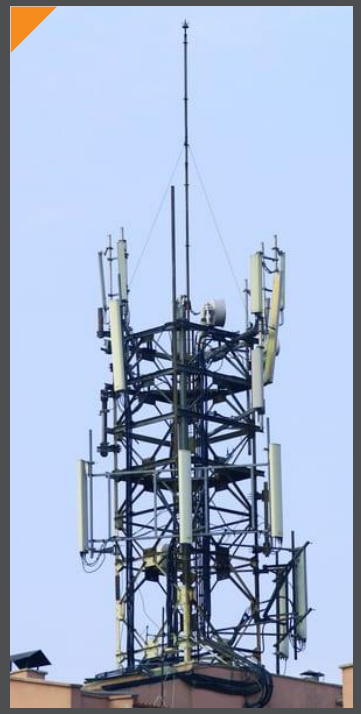
Lattice towers



Tube-leg towers



Monopoles / totems



Rooftop masts

Guyed masts up to 340 m · designed to TIA-222 or Eurocode 3

30+

operators, network vendors and tower companies

Ericsson

Nokia

Huawei

Vodafone

Orange

Zain

Beeline

Turkcell

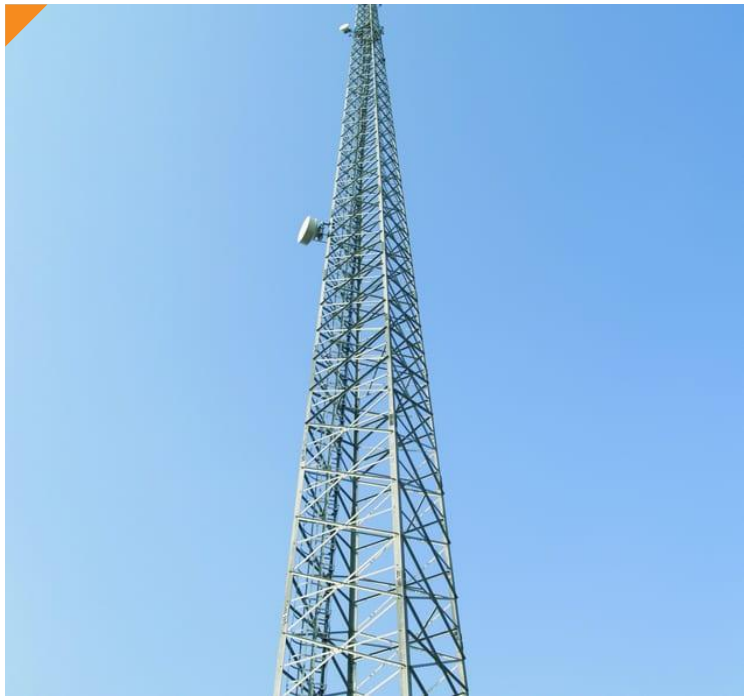
Türk Telekom

Azercell

and many more

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Lattice towers and masts



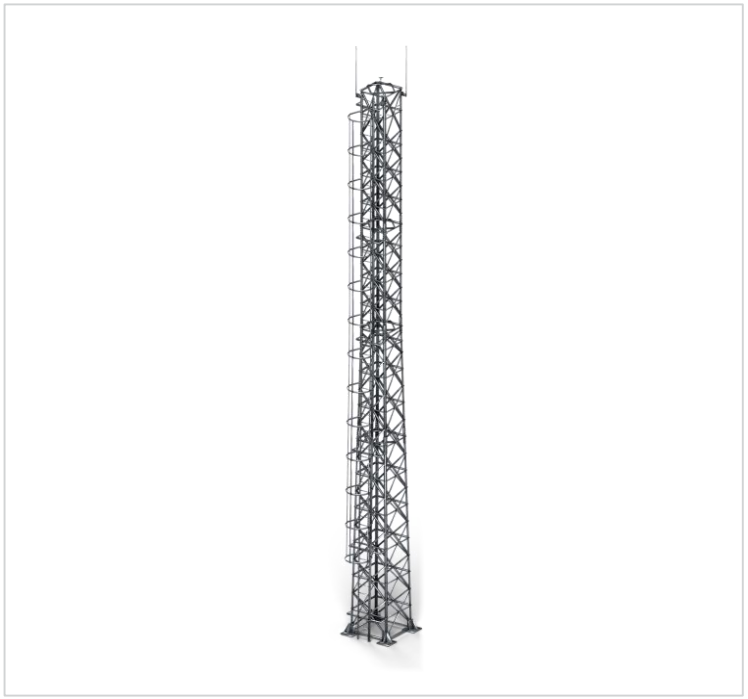
Lattice towers

3- and 4-legged, with or without platforms and balconies



Tube-leg towers

3-legged tubes, or 4-legged tube legs with angle bracing



Rooftop masts

Lattice, 3-legged or 4-legged

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Monopoles, totems and rooftop poles



Monopoles

Flanged sections; top platform, no platform or double platform



Totems

Without cassette, or with triangular, rectangular, square or cylindrical cassette

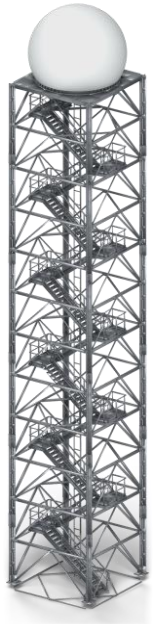


Rooftop poles

Tubular poles, braced on two sides

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Radar and broadcast towers



Radar towers

Lattice, tubular or welded; 3- or 4-legged; ship ladder or wide stairs with landings



TV and radio masts

Lattice, 3- or 4-legged, with or without platforms

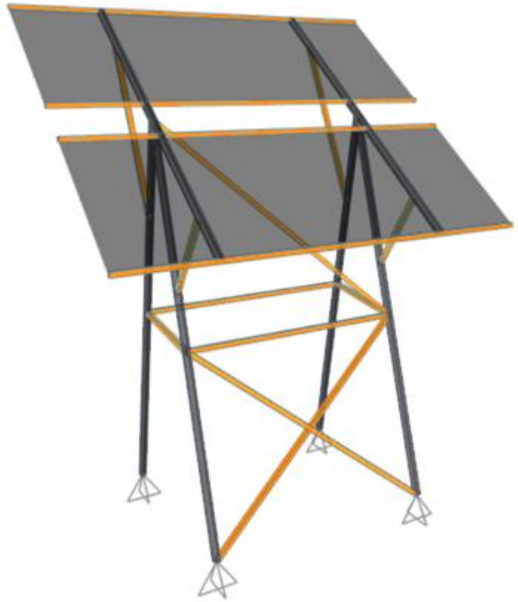
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Meteorology masts and solar carriers



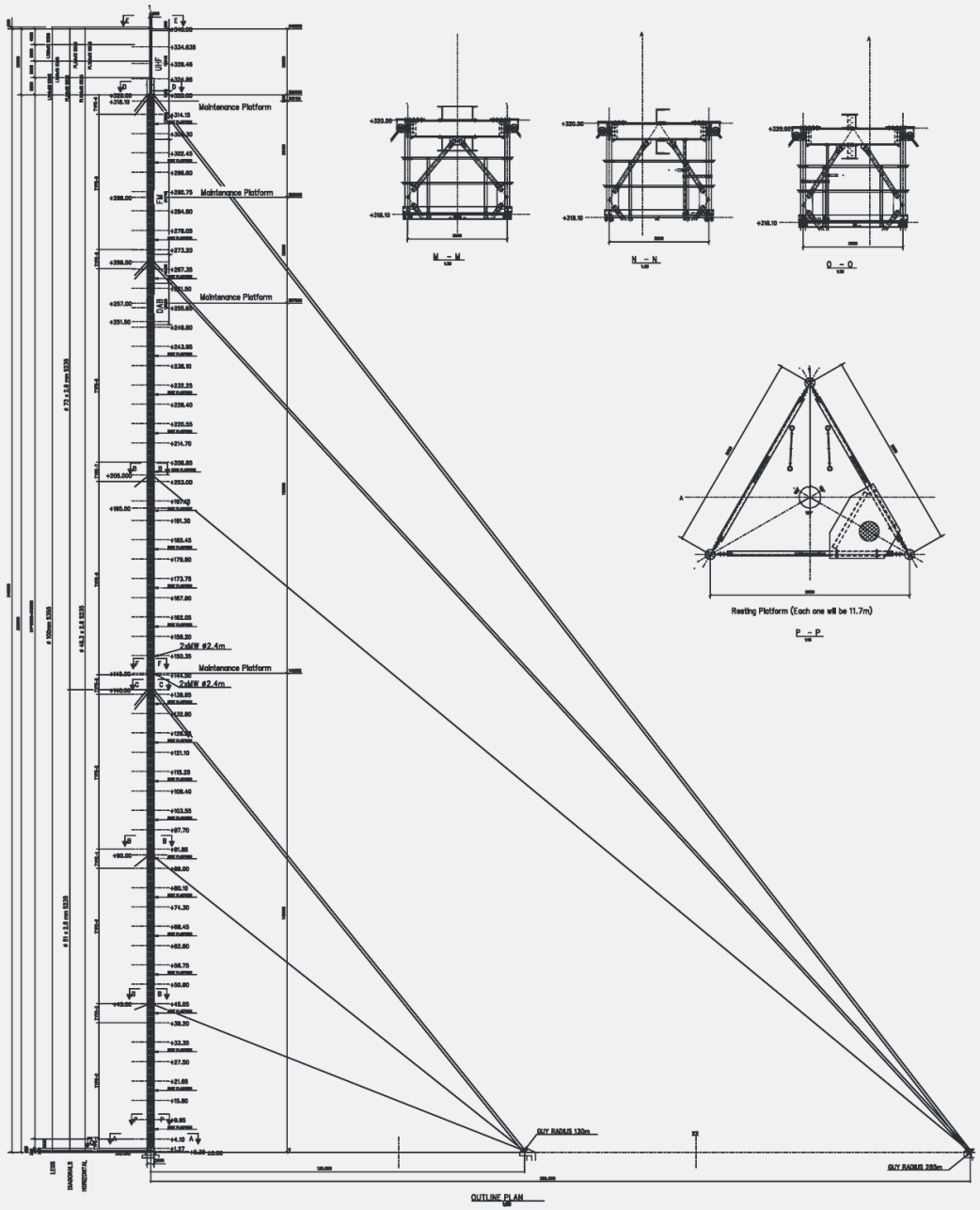
Meteorology masts

Lattice or tubular; 3- or 4-legged; guyed or self-supporting; with or without platforms



Base-station solar carriers

On containers, on the ground or on the tower body; lattice, tubular or welded



General arrangement LP340-GP-001

CASE · QATAR

340 m guyed GSM antenna mast

Detailed in-house, fabricated and galvanized in Ankara for Rohde & Schwarz, delivered via Cestron.

340 m — Mast height

130 / 285 m — Guy anchor radii

2 m — Triangular lattice section

The same engineering team details every structure we build.

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LIGHTING

Street lighting, high-mast and stadium lighting structures



Street lighting poles

Polygonal poles without arm, or with 1 to 4 straight or bent arms



High-mast floodlight poles

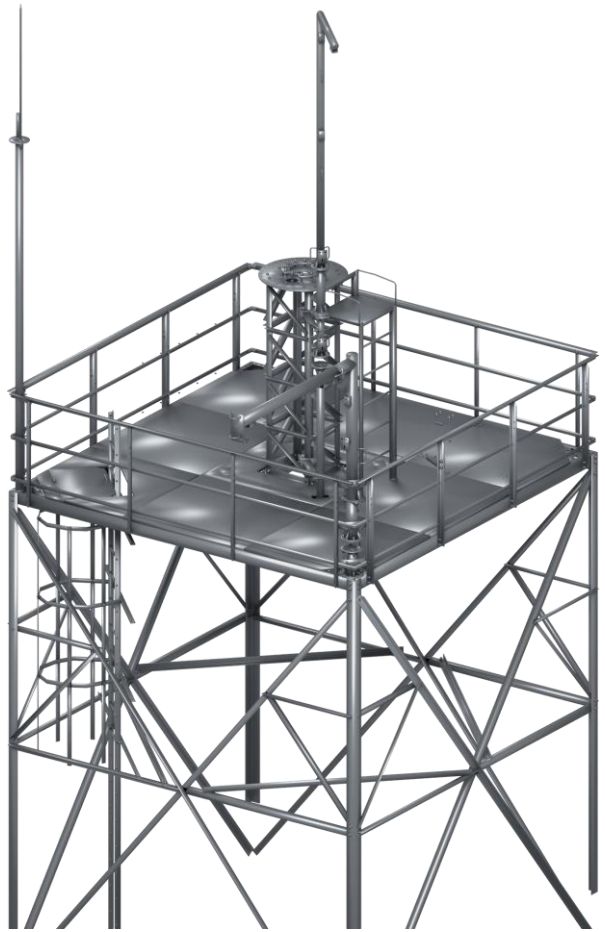
Top or side platform, with or without ladder, with or without a lowering system for the lamp platform

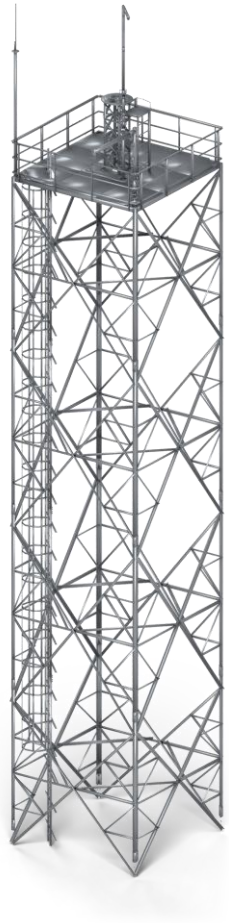


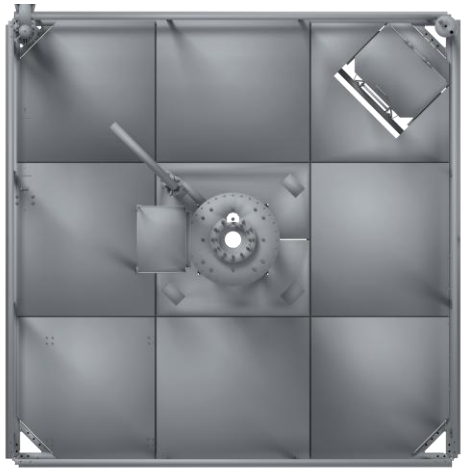
Stadium lighting towers

Polygonal poles with a large floodlight head frame and ladder

Air defence and camera towers



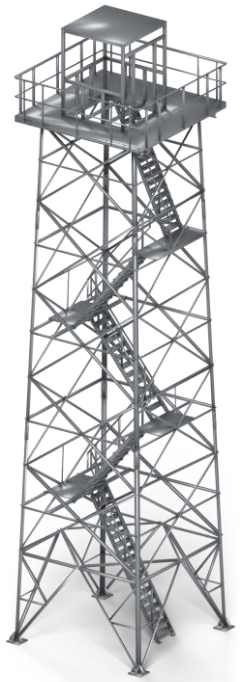




3D views of a 19 m tower and its equipment platform; platform plan

- Lattice or tubular, 3- or 4-legged
- Equipment platform with railings for radar, camera and antenna systems
- Ladder access, with or without material hoist
- Designed for the equipment loads and stiffness the system requires

Observation and training towers



Observation towers

Lattice, 3- or 4-legged, with internal stairs and an observation cabin

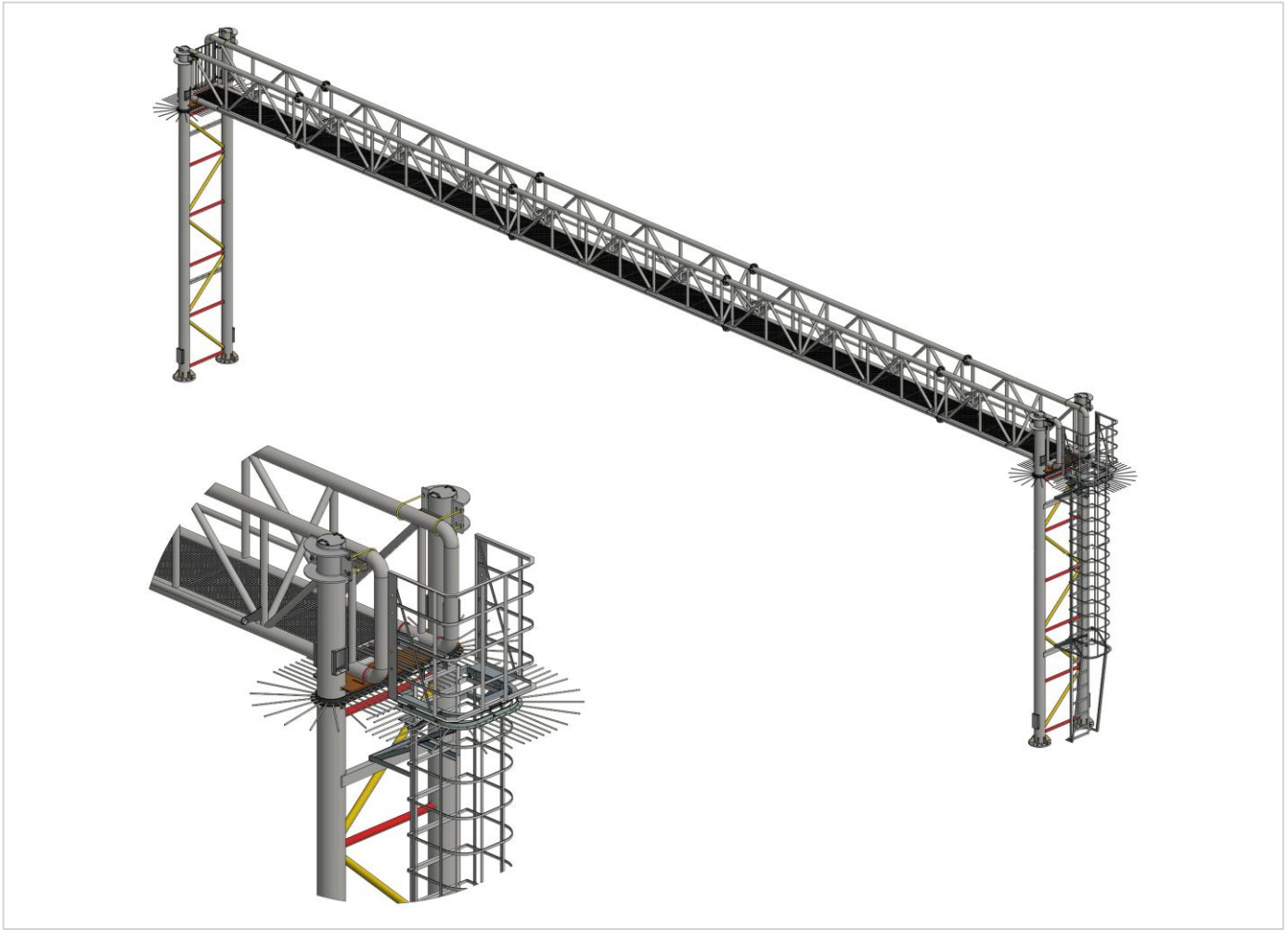


Training towers

Lattice towers with a wide external stair, for military training

Sign and toll gantries, camera poles

- Sign, toll and camera gantries for motorways and urban roads
- Lattice or tubular, 2- or 4-legged, with triangular or rectangular girders
- Walkways, cage ladders and service platforms for maintenance
- Camera poles and cantilever arms for traffic and enforcement systems
- Hot-dip galvanized to EN ISO 1461, bolted modules for transport and site assembly



CUSTOM STEEL STRUCTURES

Steel buildings, site structures and special frames

Built to your design: steel buildings and warehouses, garages and car-park canopies, drone training arenas, and telecom site accessories such as antenna mounts, RRU stands, base frames and fencing.



Drone training arena: the steel frame on site



The same arena in use, at night



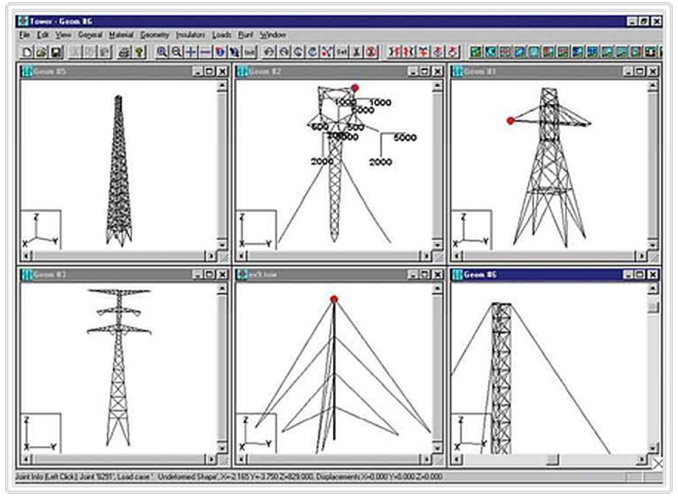
Steel warehouse building

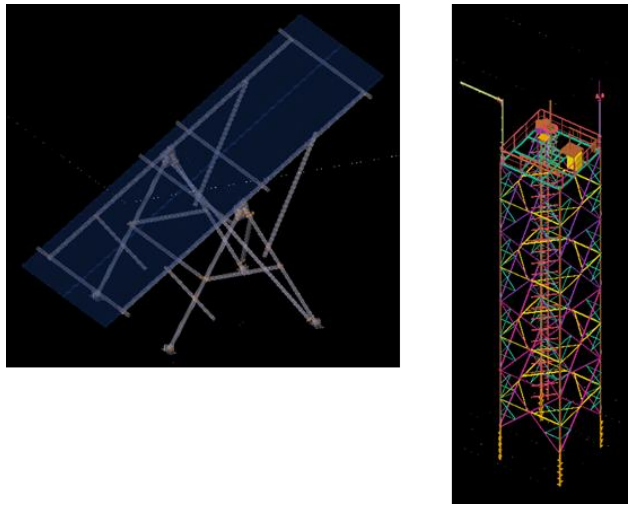
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ENGINEERING

From your data or type design to CNC files

01	02	03	04	05	06	07
Your data	**Analysis**	**Connections**	**3D model**	**Approval**	**Shop drawings**	**ERP**
Line data, loads, codes	PLS-Tower, PLS-Pole, SAP2000, or your type design	IDEA StatiCa	Tekla Structures	GA drawings, BOM, calculation report	Drawings and CNC data for our lines	Bill of materials into Business Central



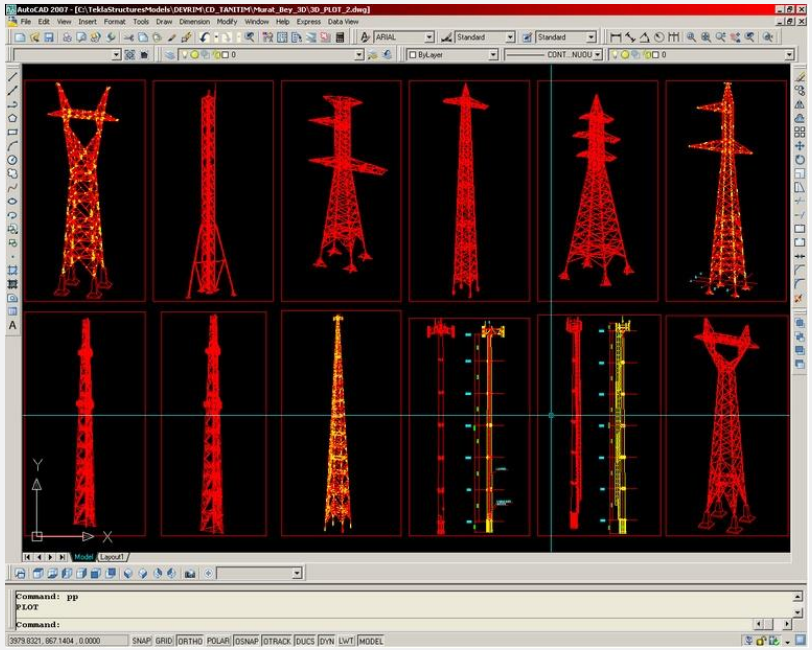


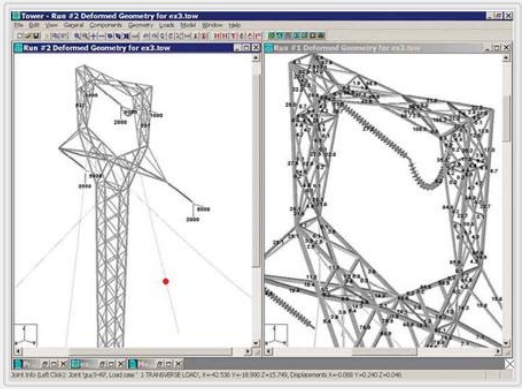


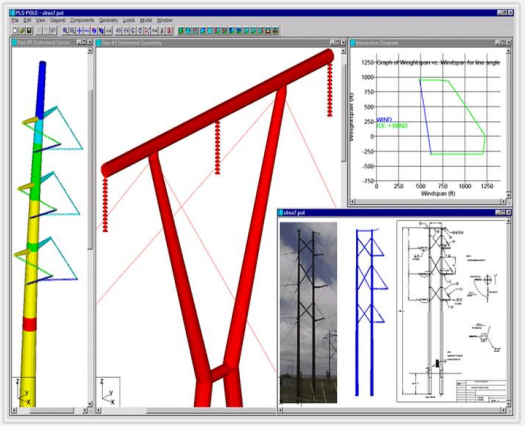
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Tower and pole design in PLS-Tower and PLS-Pole

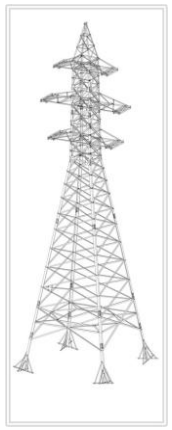
- Type designs checked and adapted; new lattice towers designed and optimized in PLS-Tower when required
- Steel poles and monopoles designed in PLS-Pole
- Load cases, deflections and member checks to the specified code
- Calculation reports and drawings submitted for your approval

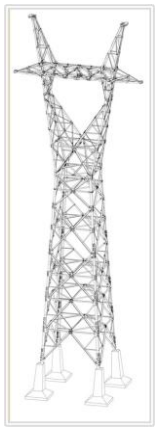






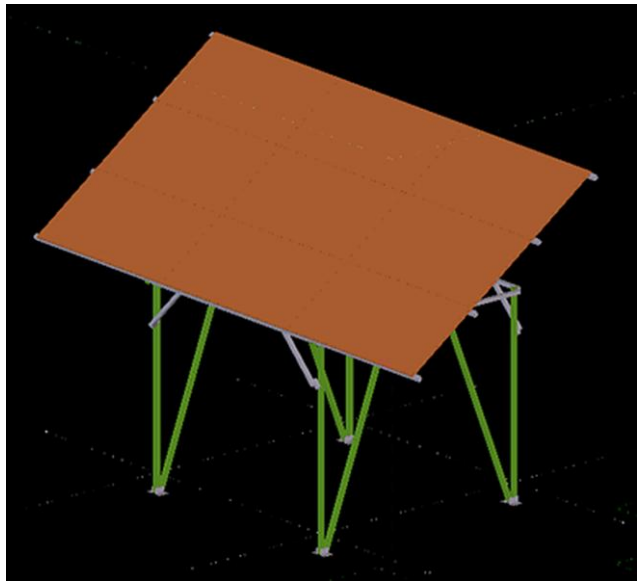






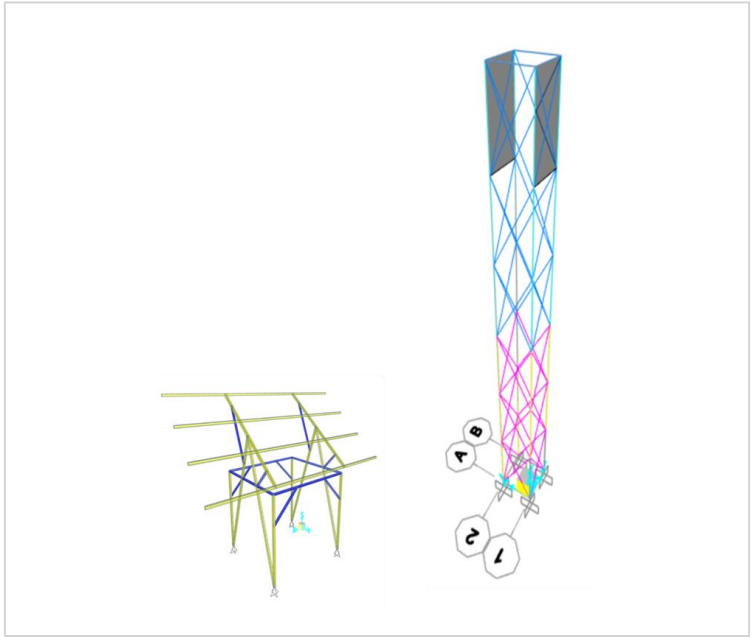
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3D models, special structures and connection design



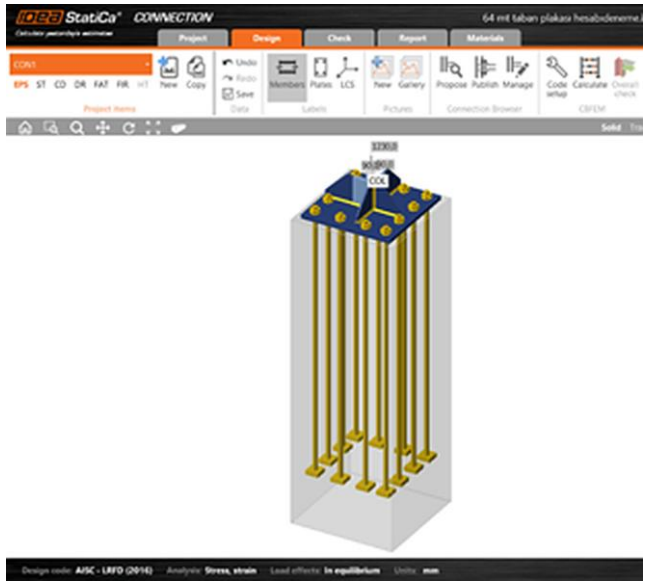
Tekla Structures

3D models and workshop drawings for every structure we build



SAP2000

Analysis and sizing of special structures to American and European codes



IDEA StatiCa

Joint and base-plate design, here an anchor-bolt base plate for a 64 m tower

ENGINEERING · DESIGN CODES

Designed to the code your project specifies

Telecom towers and masts

ANSI/TIA-222 (Rev. F and G) or Eurocode 3 (EN 1993)

Transmission towers

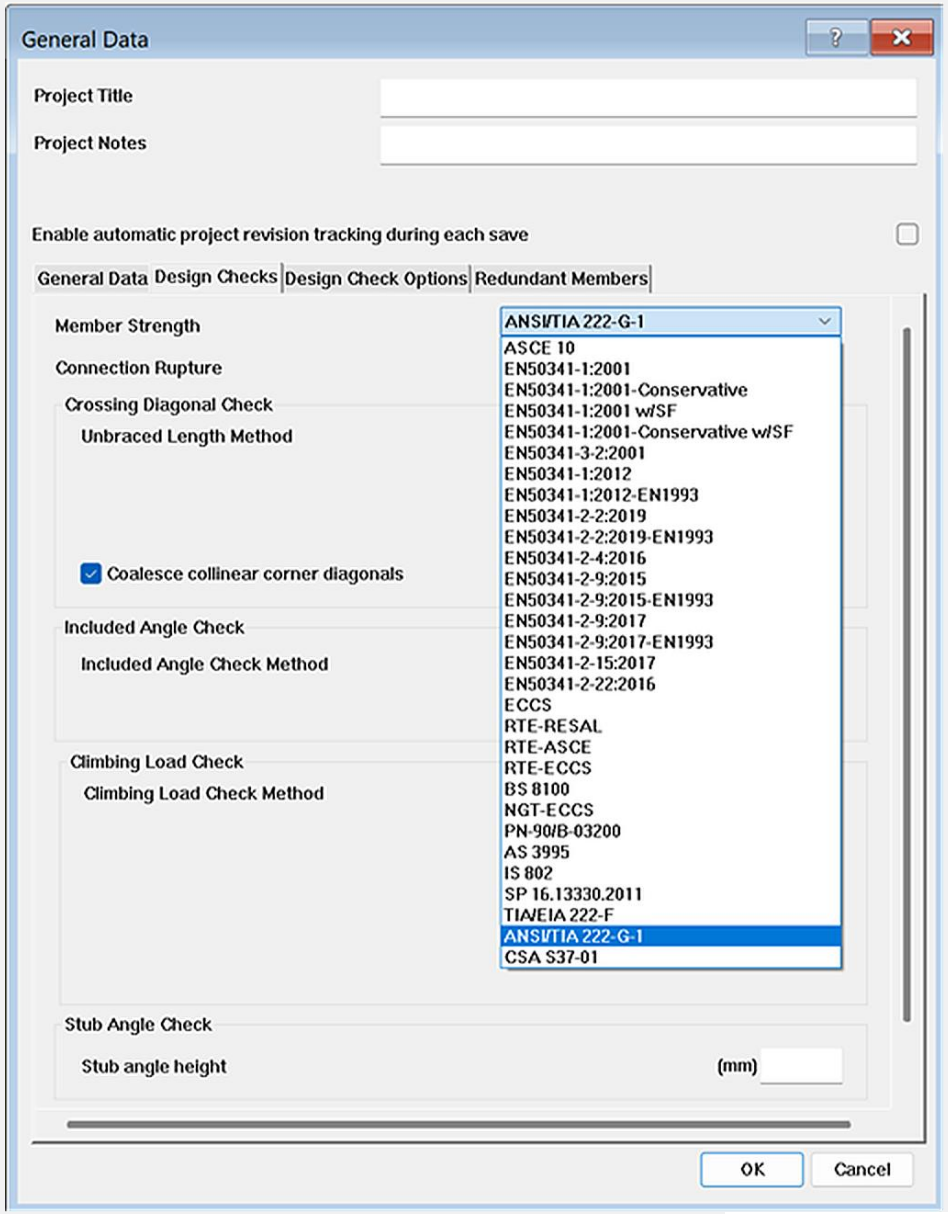
EN 50341, national standards or client specification

Substation structures

Eurocode 3 (EN 1993) or client specification

Connections and base plates

Eurocode 3 (EN 1993-1-8) or AISC 360





MANUFACTURING

125 machines and equipment items in five halls

6

FICEP CNC angle lines

3

FICEP CNC plate lines

3

Fibre lasers: 2 sheet, 1 tube

2

CNC plasma and oxy-fuel tables (12 m plasma)

12 m

CNC tandem press brake

15

Welding stations, each with fume extraction

27

Overhead and gantry cranes

2 + 2

Lathes and milling machines

Six FICEP CNC lines for angle sections

Line	Largest angle	Largest hole	Operations
FICEP RAPIT 25T	L250 × 250 × 25	Ø40 mm	Drilling, marking, cutting
FICEP 166T	L160 × 160 × 19	Ø32 mm	Punching / drilling, marking, cutting
FICEP A 16.36 NT	L160 × 160 × 19	Ø32 mm	Punching / drilling, marking, cutting
FICEP A 13.34 NT	L130 × 130 × 13	Ø32 mm	Punching / drilling, marking, cutting
FICEP HP 16 T6 CNC	L160 × 160 × 19	Ø32 mm	Punching, marking, cutting
FICEP HP 12 T4 CNC	L120 × 120 × 12	Ø32 mm	Punching, marking, cutting

Supported by hydraulic combined punching and shearing machines (Hilalsan, Şahinler), a Durma P80 punch, band saws, a back-bevel plasma and numbering presses.



Cutting and bending for plates and tubes

2 × Bodor C6 fibre laser

Sheets 6.1 × 2.5 m; one cuts up to 25 mm, the other up to 50 mm

Bodor K230 tube laser

Tubes up to Ø230 mm, 6.5 m long, wall up to 20 mm

Ajan CNC plasma

12 × 1.5 m table, 1 to 25 mm

Ajan CNC oxy-fuel

6 × 1.5 m table, up to 100 mm

Ajan CNC 415 plate drill

3 × 1.5 m, holes Ø5 to 35 mm

FICEP P51 and P803A CNC

Plate punching, drilling and marking up to 32 mm

Durmazlar AD-S 60600 tandem press brake

2 × 6 m CNC press brakes, in tandem up to 12 m

FICEP 801

Hydraulic copying for gusset plates

3 Koçar guillotine shears

Plates 2 to 15 mm







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MANUFACTURING · POLES

Polygonal pole line and machine shop

Durmazlar AD-S 60600

CNC tandem press brake, 2 × 6 m, up to 12 m sections

Automatic welding line

Longitudinal seam welding of polygonal poles

Koçar hydraulic press

300 t

Hidroliksan hydraulic press

180 t

Hilalsan HKM 170-85

Combined punching and shearing

2 lathes

Trens SN71 and TN-50, for flanges and fittings

2 milling machines

Weida XZ6350ZA and Craft FX200 servo

4,000 t/yr

polygonal pole capacity







MANUFACTURING · WELDING

Certified welding with clean air at every station

15

MIG/MAG welding stations

15

Fume extraction units, one at every station

- Welding quality system certified to EN ISO 3834-2
- CE marking to EN 1090-1, up to execution class EXC3
- Qualified welders and approved WPS/WPQR
- Independent NDT and weld testing on prototypes



MANUFACTURING · MATERIALS

Steel from Türkiye's leading mills, checked on arrival

Grades to EN 10025-2

	JR · +20 °C	J0 · 0 °C	J2 · −20 °C
S235	S235JR	S235J0	S235J2
S275	S275JR	S275J0	S275J2
S355	S355JR	S355J0	S355J2

Impact test temperature by quality grade. Other grades on request.

Incoming inspection

- Mill test certificate checked for every batch
- Visual and dimensional checks of every delivery
- Tensile and impact tests in our own lab when needed

Mills

Kardemir · Tosyalı · İzmir Demir Çelik · Çelsantaş · Kocaer · Kroman · Mescier · Kaptan Demir Çelik · Özkan Demir Çelik · MMZ Onur (tubes) · ArcelorMittal (imported angles)

Service centres

EAG Demir Çelik · Ceceli Demir Çelik · Tat Metal





HOT-DIP GALVANIZING

Galvanized in-house, measured before it ships

40,000 t/yr

Galvanizing capacity

TS EN ISO 1461

TSE licence for hot-dip galvanizing

- Coating thickness measured and recorded for every batch
- Fabrication and galvanizing planned in one schedule
- Coatings to EN ISO 1461 or your specification





Our galvanizing line, step by step

01 Degreasing
1 tank

02 Pickling
4 HCl tanks

03 Rinsing
1 tank

04 Fluxing
1 tank

05 Zinc bath
about 450 °C

06 Cooling
2 tanks

07 Inspection
Thickness check and 5 t weighing

2 m³/day
Flux filtration and recycling

4 burners
Automatic natural-gas heating

0.9 m³/day
Water filtration

On site
Chemical treatment unit









baran STEEL & GALVANIZING

QUALITY

A written quality plan for every stage



01

Incoming material

Input quality plan

Mill certificates, visual and dimensional checks, lab tests



02

Fabrication

Manufacturing quality plan

Cutting, drilling, marking, bending and welding checks



03

Galvanizing

Galvanizing quality plan

Bath control, coating thickness, final visual check



04

Trial assembly

Factory acceptance test plan

Fit-up and geometry with you or your inspector



05

Packing

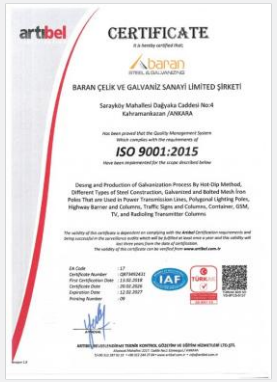
Handling and packing instruction

Labelled bundles and packing lists

baran
STEEL & GALVANIZING

QUALITY · CERTIFICATES

Certified for quality, welding and galvanizing


artibel
CERTIFICATE
baran
BARAN ÇELİK VE GALVANİZ SANAYİ LİMİTED ŞİRKETİ
Saraykôy Mahallesi Dağyaka Caddesi No:4
Kahramankazan /ANKARA
ISO 9001:2015
IAF

ISO 9001

Quality management

Artibel (TÜRKAK accredited)


artibel
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ISO 14001:2015
IAF

ISO 14001

Environmental management

Artibel (TÜRKAK accredited)


artibel
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Kahramankazan /ANKARA
ISO 45001:2018

ISO 45001

Occupational health and safety

Artibel (TÜRKAK accredited)


TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

TS EN ISO 1461

Hot-dip galvanized coatings

TSE


TÜVNORD
CERTIFICATE
TÜV NORD Turkey Teknik Kontrol ve Belgelendirme A.Ş.
Conformity of the Factory Production Control

EN 1090-1

CE marking of steel structures, up to EXC3

TÜV NORD


TÜVNORD
CERTIFICATE
TÜV NORD Turkey Teknik Kontrol ve Belgelendirme A.Ş.
Quality requirements for fusion welding of metallic materials
EN ISO 3834-2

EN ISO 3834-2

Comprehensive welding quality

TÜV NORD

Qualified manufacturer for TEİAŞ 380 kV transmission towers · current copies of all certificates available on request

baran STEEL & GALVANIZING

QUALITY · TESTING

Tested in our lab, open to your inspectors

60 t
Tensile testing

300 J
Charpy impact, to −30 °C

Spectrometer
Chemical analysis

- Rockwell hardness testing and V-notch preparation of impact specimens in-house
- Coating thickness measured for every batch
- Independent weld testing by NODESCO on prototype structures
- Dimensional checks against approved shop drawings
- Customer and third-party inspection welcome at every stage
- Material certificates and test reports supplied with each order



Tensile testing machine



Charpy impact tester, 0–300 J


Low-temperature chamber for impact specimens


Rockwell hardness

QUALITY · TRIAL ASSEMBLY

Trial-assembled in our yard before series production





Every product we make for the first time is fully trial-assembled in our yard as part of our own quality control, whether or not the customer asks. For proven designs, we repeat the trial assembly on request, with you or your inspector.

Fewer surprises on site, faster erection.



QUALITY · PACKING AND LOGISTICS

Packed per tower, shipped by road, sea or rail

- Bundles labelled and barcoded, with a packing list for every shipment
- Road, sea or rail; FCA Ankara preferred, FOB, CFR, CIF and DAP also available
- Proven road route to Central Europe: Bulgaria, Serbia, Croatia, Austria, Germany
- About 2,000 t of finished-goods storage on site
- Orders of any size, including a single tower



DIGITAL BARAN

Every piece traceable, from order to site

Our ERP, Microsoft Dynamics 365 Business Central, and our shop-floor tablets follow every piece from incoming steel to shipment.

1. **Every incoming material inspected and barcoded**

   Steel sections, plates, tubes and bolts are inspected on arrival. Each lot gets a barcode with supplier, date, lot number, quantity and certificate status.

2. **A work order for every piece**

   Its barcode states the order, project and customer, the steel grade and the full route through our machines.

3. **Two scans link piece and steel**

   The operator scans the raw-material and the work-order barcodes, so every piece is traced to the steel it is made from.

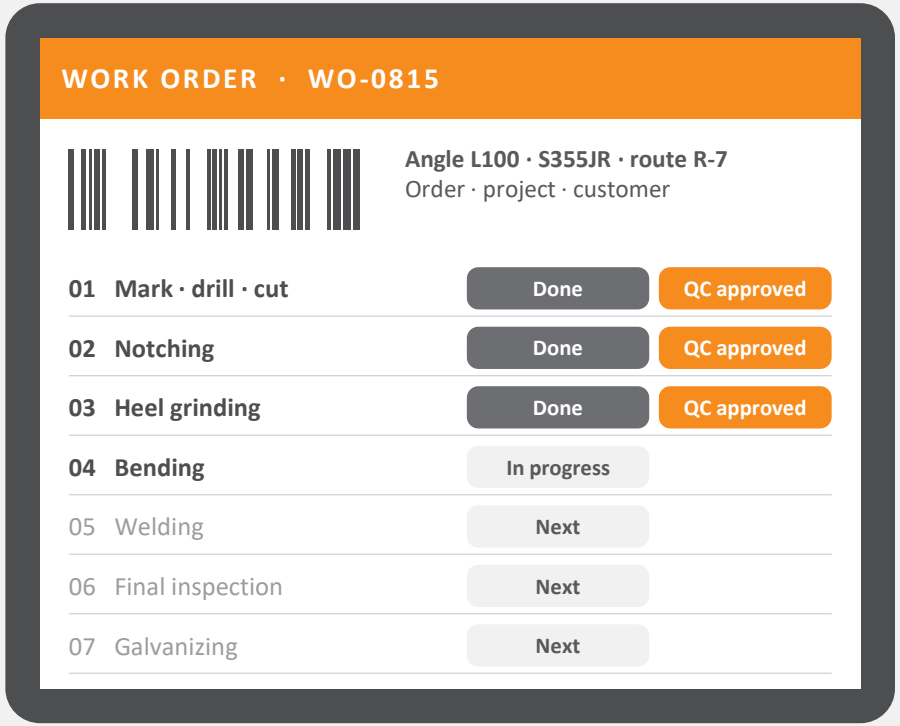
4. **Every stage recorded**

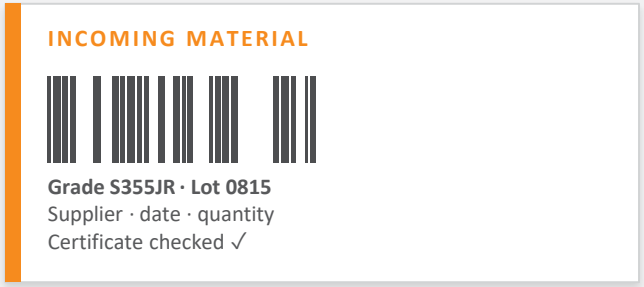
   Each operation is logged on industrial tablets with our Power Apps application.

5. **Quality approval at each step**

   Inspectors approve every piece in the same application before it moves on.

For any piece we can show its order, project and customer, the steel and lot it was made from, every operation it passed and who approved it.





Both barcodes scanned at the machine

Illustration

From the 3D model to the shop floor without retyping

Tekla report → **Material match** → **Routing** → **ERP import** → **Work orders**

Parts and assemblies exported from the 3D model

Each part matched to our raw-material catalogue

Every part routed through up to 8 operations

Hierarchical bill of materials into Business Central

A barcoded work order for every piece, released to the shop floor

BILL OF MATERIALS · BUSINESS CENTRAL

Item	Material	Route
36 m lattice tower		
— **Leg section L1**	*assembly*	
— Leg angle L100×10	S355JR	R-7
— Gusset plate 10 mm	S355JR	R-12
— **Bracing panel P2**	*assembly*	
— Brace angle L60×6	S275JR	R-3
— **Bolt set M16**	8.8, HDG	purchased

Illustration

What it means for you

- Drawings, bills of materials, work orders and packing lists come from the same model
- Fewer errors between design and fabrication
- Faster revisions when your design changes

baran STEEL & GALVANIZING



HEALTH AND SAFETY

Safety managed to ISO 45001

- Occupational health and safety system certified to ISO 45001
- Documented risk assessment for every workshop, the galvanizing plant and the yard
- Emergency plan for 7 scenarios, including fire, earthquake and acid or flux spills
- Workplace physician and certified HSE specialist
- Fume extraction at every welding station

ENVIRONMENT AND CBAM

CBAM-ready emissions data

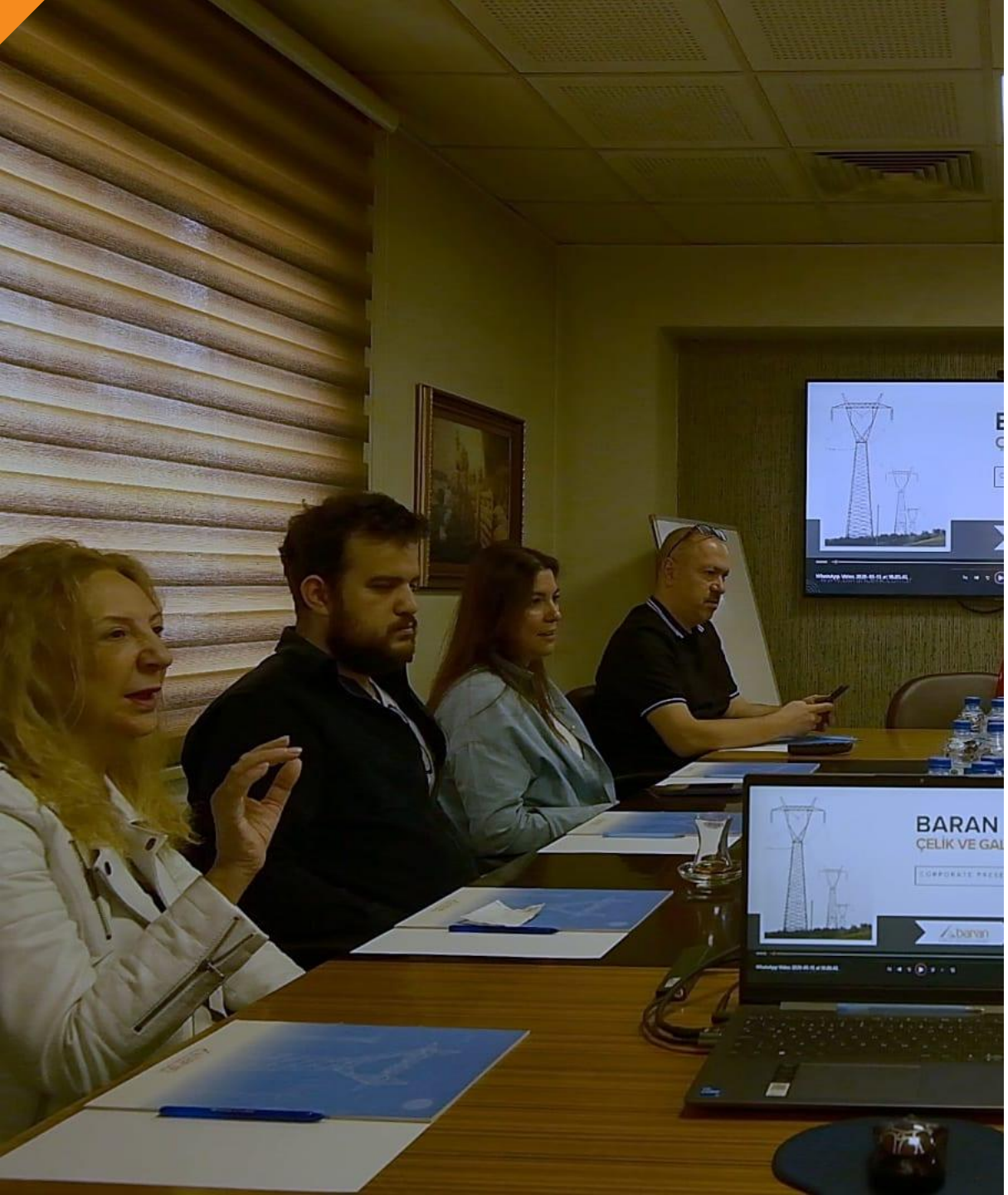
Quarterly

greenhouse-gas reporting to ISO 14064-1

- Embedded-emissions data for EU importers' CBAM declarations
- Environmental management certified to ISO 14001
- Electricity and water tracked monthly, natural gas daily
- Flux recycling, water filtration and chemical treatment in galvanizing



baran STEEL & GALVANIZING



RESPONSIBLE BUSINESS

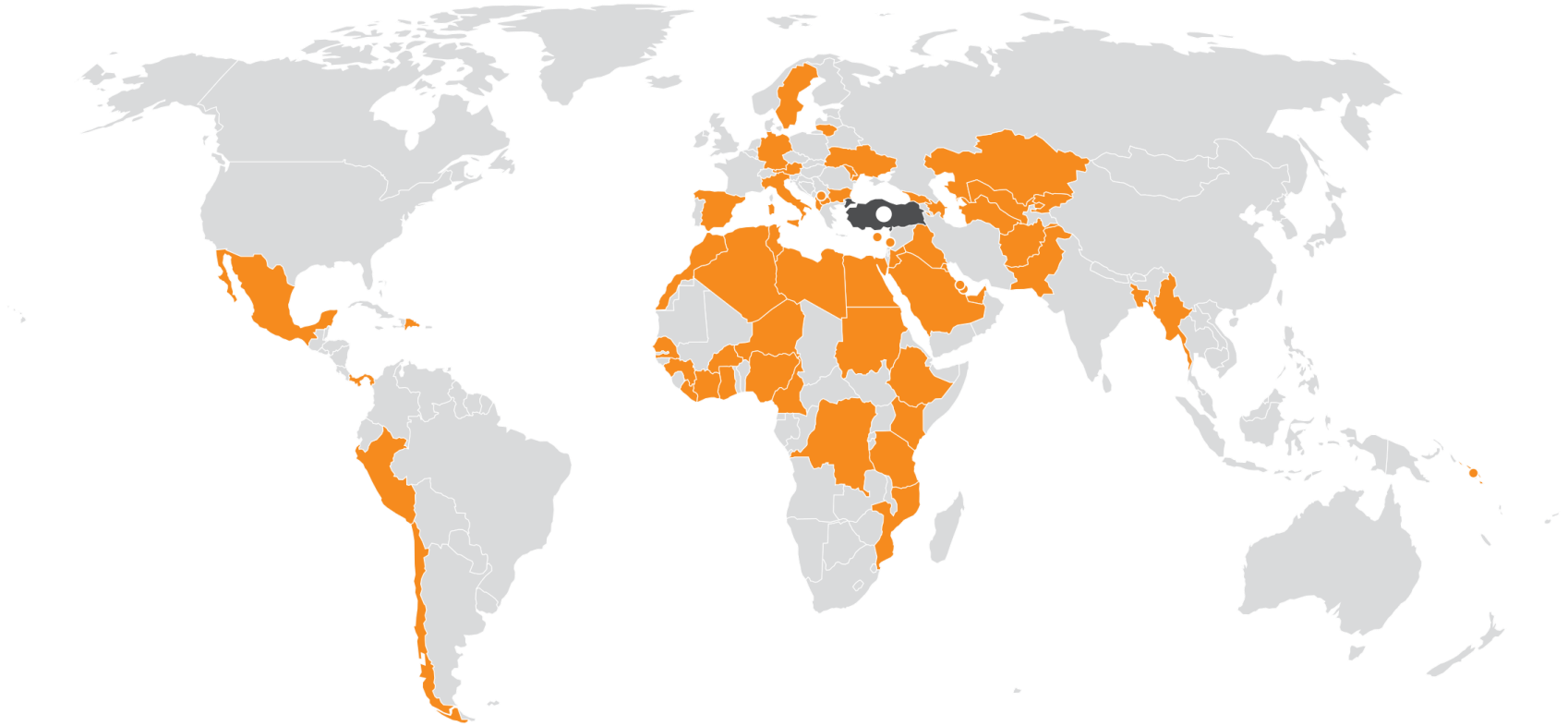
Policies our international customers ask for

01	**Code of conduct**	Written code
02	**Anti-bribery and corruption**	Written policy
03	**Honesty and integrity**	Written commitment
04	**Data protection and privacy**	Written policy
05	**Human rights**	Signed declaration
06	**Supplier due diligence**	Qualification questionnaires completed for utilities and telecom companies

Copies of our policies, certificates and HSE documents are available on request.

GLOBAL REACH

Structures delivered to 50+ countries



20 Africa

13 Europe

8 Middle East

7 Caucasus and Central Asia

5 Americas

4 Asia-Pacific

57 countries outside Türkiye. Home plant: Ankara, Türkiye.

baran STEEL & GALVANIZING

GLOBAL REACH

Our structures stand in 57 countries

AFRICA 20


Algeria


Burkina Faso


Cameroon


Côte d'Ivoire


DR Congo


Egypt


Ethiopia


Ghana


Guinea


Kenya


Liberia


Libya


Morocco


Mozambique


Niger


Nigeria


Senegal


Sudan


Tanzania


Tunisia

EUROPE 13


Albania


Austria


Bulgaria


Germany


Italy


Kosovo


Lithuania


Moldova


North Macedonia


Spain


Sweden


Turkish Republic of Northern Cyprus


Ukraine

MIDDLE EAST 8


Bahrain


Iraq


Jordan


Kuwait


Lebanon


Qatar


Saudi Arabia

UAE

CAUCASUS AND CENTRAL ASIA 7

Afghanistan

Azerbaijan

Georgia

Kazakhstan

Kyrgyzstan

Turkmenistan

Uzbekistan

AMERICAS 5

Chile

Dominican Rep.

Mexico

Panama

Peru

ASIA-PACIFIC 4

Bangladesh

Myanmar

Pakistan

Solomon Islands

baran STEEL & GALVANIZING

Utilities, EPC contractors and grid companies we work for



















































baran
STEEL & GALVANIZING

Operators, vendors and tower companies

Mobile operators

vodafone
orange
TURKCELL
Türk Telekom
zain
Beeline
Azercell
bakcell
Geocell
SILKNET
Asiacell
KOREK Telecom
Moldcell
Ucell
Kcell
ORASCOM
Nar mobile
life:) Life is getting interesting!
Itisaluna
KUZEY KIBRIS TURKCELL

Network vendors

ERICSSON
NOKIA
HUAWEI
ZTE中兴
SIEMENS Nokia Siemens Networks
Alcatel·Lucent
MOTOROLA

Tower companies

TURKKULE
azerconnect
UKRTOWER

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Transmission line projects

IRAQ
400/132 kV transmission lines (MOE) · Middle East Construction
400 kV transmission lines · Middle East Construction
500 kV transmission lines · Neyneva Construction
Transmission towers · Bamok Group, Sahar Al Amwag, Alsamood

TÜRKİYE
380 kV Boyabat HPP – Kurşunlu · Doğuş / BTE Energy
380 kV ACWA Power – Bağlum connection · BTE Energy (Samsung)
380 kV Artvin HPP – Deriner – Yusufeli · BTE Energy
380 kV Silopi – Cizre · BTE Energy
380 kV Tepeören HPP line · BTE Energy
380 kV Verbena – Alibeyköy – Hamitabat · ASEM Group
154 kV lines across Türkiye · Cihan Metal, Sevda, Yıltaş, Kolin and others

TURKMENISTAN
220 kV transmission lines · Çalık Energy
220/110 kV transmission lines · Metro Electric, Kıraç
Transmission towers · Elko

UZBEKISTAN
500 kV transmission lines · Metro Electric
Transmission towers and substation structures · Onyx Trading

AZERBAIJAN
35/110 kV transmission lines · Azer Elektrik Shebeke Tikinti
110 kV transmission lines · Elektrikquraşdırma, Ima Energy
154 kV and 380 kV transmission lines · BTE Energy

GEORGIA
154 kV transmission line · BTE Energy
110 kV transmission line · Shoreteli Holding
Transmission towers · Elektroni, New Metal

BULGARIA
Botevgrad and Karlovo lines · Impuls Co.
Transmission towers · Sai Trade, Cable Trade

TURKISH REPUBLIC OF NORTHERN CYPRUS
154 kV transmission lines · Mast Energy

CAMEROON
Anchor-bolt sets, 225 kV Garoua – Maroua line · Kontrolmatik



Full reference list available on request.

baran STEEL & GALVANIZING

Substation projects

TÜRKİYE
380 kV Soma and Bergama – Gürpınar – Havza · ABB
380/154 kV Ağrı substation · AREVA and Güngör
Substation structures · Siemens Energy, Siemens Mobility, Hitachi Energy
Substation structures · Kontrolmatik, YEO, Yapı Merkezi
34.5/154/380 kV substations · Ulutaş Construction
154 kV substations · Güngör Electric
380 kV Ambarlı substation · BTE Energy
Samsun substation · Aksa Energy
Substation structures · Ak-Ay Elektrik, Güral, Sistronik

TURKMENISTAN
220/110 kV substations · Metro Electric, Çalık Energy, Telsa Energy
220 kV GIS substations · Metro Electric
110 kV substations · Elko Electric, Dubai Inter

GUINEA
Substation structures · Mast Energy

AZERBAIJAN
Substation structures · Electro Industries, Azconstruction, Bakelektro
110/220 kV Xırdalan substation · Azer Elektrik
Substation structures · Ima Energy, Gidromaşservis, Retro Holding

UZBEKISTAN
500 kV substation structures · Metro Electric

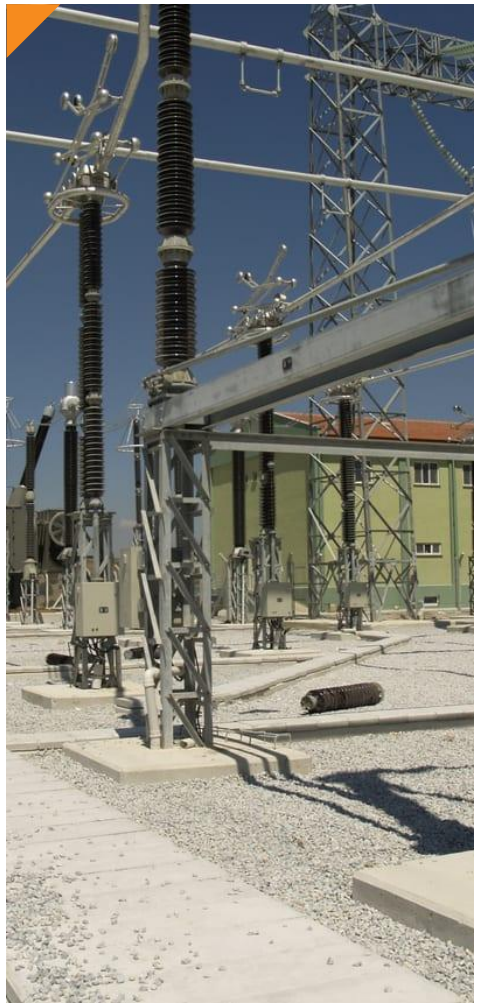
IRAQ
Substation structures · Twanist Company

TUNISIA
Tozeur and Sidi Bouzid substations · Hitachi / HIC

NORTH MACEDONIA
Dren RES Dubrovo substation · YEO

SOLOMON ISLANDS
Tina River 66 kV switchyard · Metro Electric

GEORGIA · GHANA · KENYA · TANZANIA · ETHIOPIA
Substation structures · Best Electric, OMSE, Hisoto, CBA Trade, Yapı Merkezi



Full reference list available on request.

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Telecom tower projects

TÜRKİYE
Operators · Turkcell, Türk Telekom, Vodafone
Network vendors · Huawei, Ericsson, Nokia, ZTE, Motorola
Tower company · Kule A.Ş. (TürkKule)
Installers · Tunç Telekom, İris Telekom, Akana, Antensan

AZERBAIJAN
GSM antenna towers · Azercell, Bakcell, Azerfon (Nar), Azerconnect, Azinvest

GEORGIA
GSM antenna towers · Huawei, Beeline, Silknet, Geocell

IRAQ
GSM antenna towers · Asiacell, Korek, Itisaluna, Orascom, Fawzi Najim Abdullah, Aljawda, Berekat, Altahaduth

QATAR
340 m guyed mast and antenna towers · Cestron for Rohde & Schwarz

BAHRAIN
GSM antenna towers · Zain, Motorola

AUSTRIA · ITALY · LIBYA
GSM antenna towers · Huawei

MOLDOVA
GSM antenna towers · Moldcell, Eurostil Construct, Economic Sistem, SGC Group, Rapid Link

UKRAINE
Telecom towers · UkrTower, life:)

TURKISH REPUBLIC OF NORTHERN CYPRUS
GSM antenna towers · Kuzey Kıbrıs Turkcell

UZBEKISTAN · KAZAKHSTAN
GSM antenna towers · Ucell, Kcell

KUWAIT · JORDAN · UAE
GSM antenna towers · Al Tebah, Alwesam, Ericsson

CHILE · PERU
GSM antenna towers

DR CONGO · CÔTE D'IVOIRE · ALGERIA
GSM antenna towers · Harmonia, OMSE, EKI Structure

SWEDEN
GSM antenna towers · Volls



Full reference list available on request.

baran STEEL & GALVANIZING

HOW WE WORK

From your RFQ to delivery

01 RFQ
Your project data, loads and standards

02 Design
Calculations, approval drawings and BOM, or your type design

03 Trial assembly
First set assembled in our yard for every new design

04 Fabrication
CNC cutting, punching and welding on barcoded work orders

05 Final inspection
Quality control before galvanizing

06 Galvanizing
Hot-dip to EN ISO 1461

07 Packing
Barcode-labelled bundles

08 Delivery
By truck or container from our plant

On-time delivery

Material, fabrication and galvanizing in one schedule, on one site

FCA Ankara

Our preferred term; FOB, CFR, CIF and DAP also available



baran
STEEL & GALVANIZING

Let's build your next project

Alper Aslan
Production & Global Sales Manager
alperaslan@barancelik.com.tr

Gökhan Baran
Sales & Marketing Manager
gokhanbaran@barancelik.com.tr

Fatih Baran
Finance Manager
fatihbaran@barancelik.com.tr

Fulya Baran
Export Sales & Marketing Specialist
fulyabaran@barancelik.com.tr

Murat Baran
Purchasing Manager
muratbaran@barancelik.com.tr

+90 312 815 41 79
barancelik@barancelik.com.tr · www.barancelik.com.tr
Saray Mah. Dağyaka Cad. No:4, 06980 Kahramankazan / Ankara, Türkiye

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