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

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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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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)



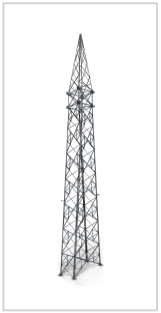
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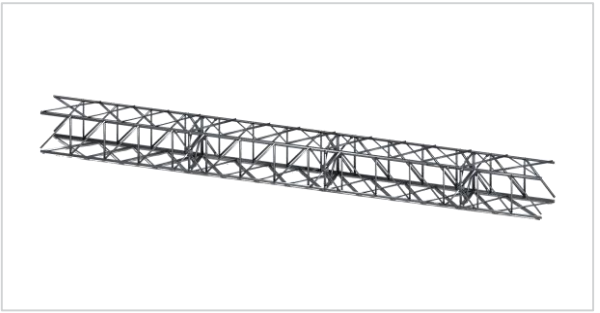
ENERGY · SUBSTATIONS

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

TELECOM · OUR STRONGEST LINE

Towers and masts for the telecom industry



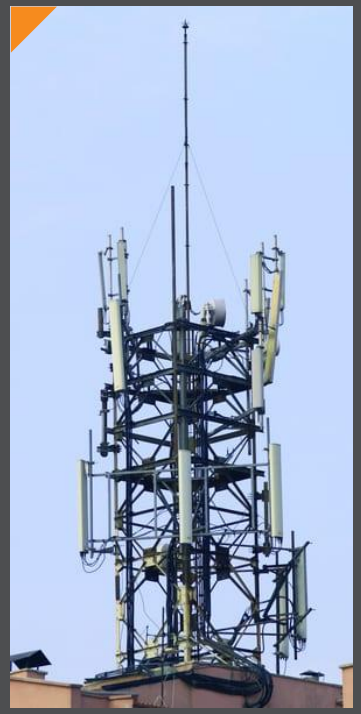
Lattice towers



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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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

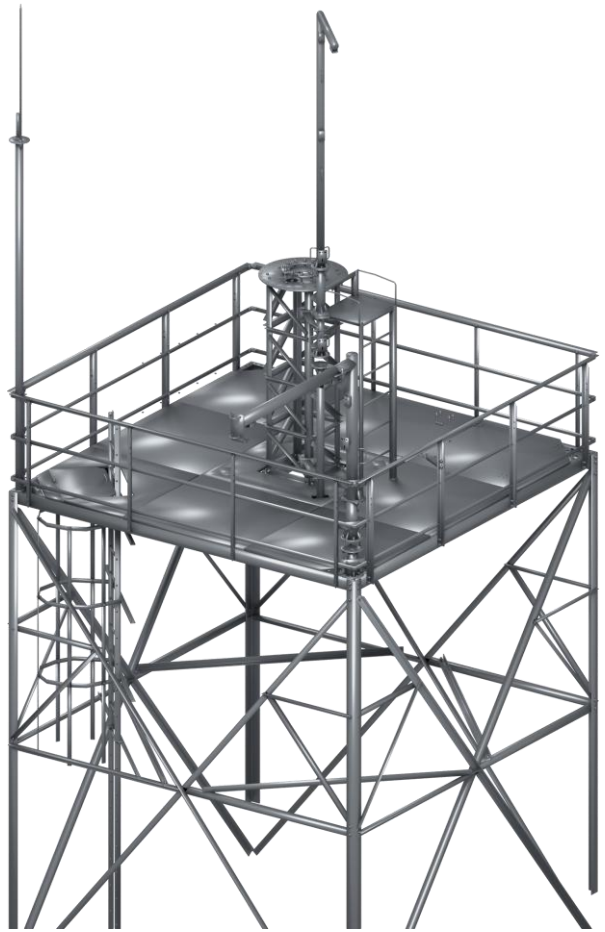


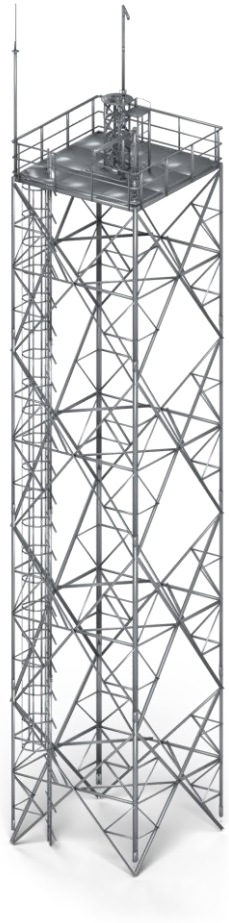
Stadium lighting towers

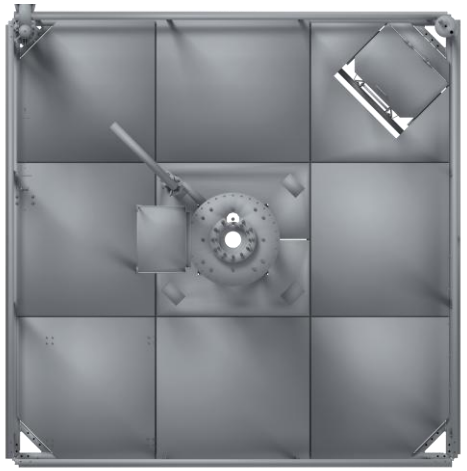
Polygonal poles with a large floodlight head frame and ladder

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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

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

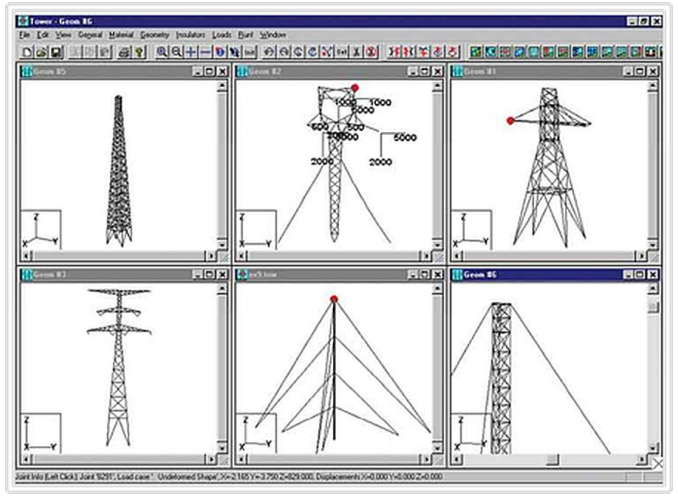


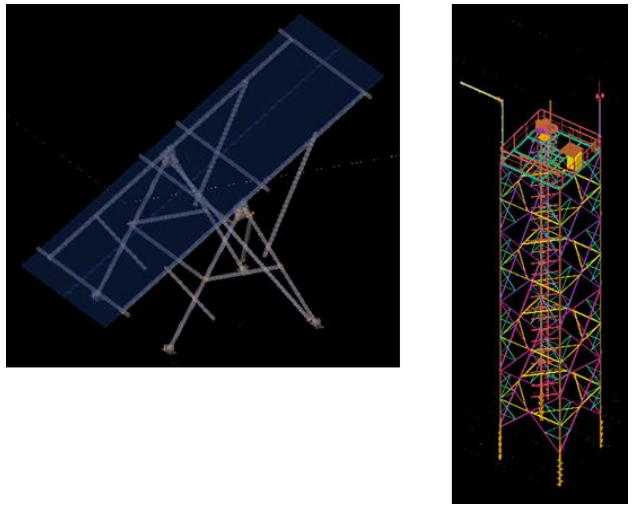
Steel warehouse building

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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HOT-DIP GALVANIZING

Galvanized in-house, measured before it ships

40,000 t/yr

Galvanizing capacity

TS EN ISO 1461

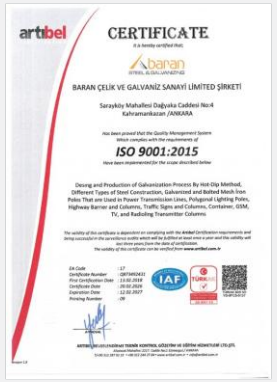
TSE licence for hot-dip galvanizing

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





Certified for quality, welding and galvanizing


artibel
CERTIFICATE
BARAN ÇELİK VE GALVANİZ SANAYİ LİMİTED ŞİRKETİ
ISO 9001:2015

ISO 9001

Quality management

Artibel (TÜRKAK accredited)


artibel
CERTIFICATE
BARAN ÇELİK VE GALVANİZ SANAYİ LİMİTED ŞİRKETİ
ISO 14001:2015

ISO 14001

Environmental management

Artibel (TÜRKAK accredited)


artibel
CERTIFICATE
BARAN ÇELİK VE GALVANİZ SANAYİ LİMİTED ŞİRKETİ
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



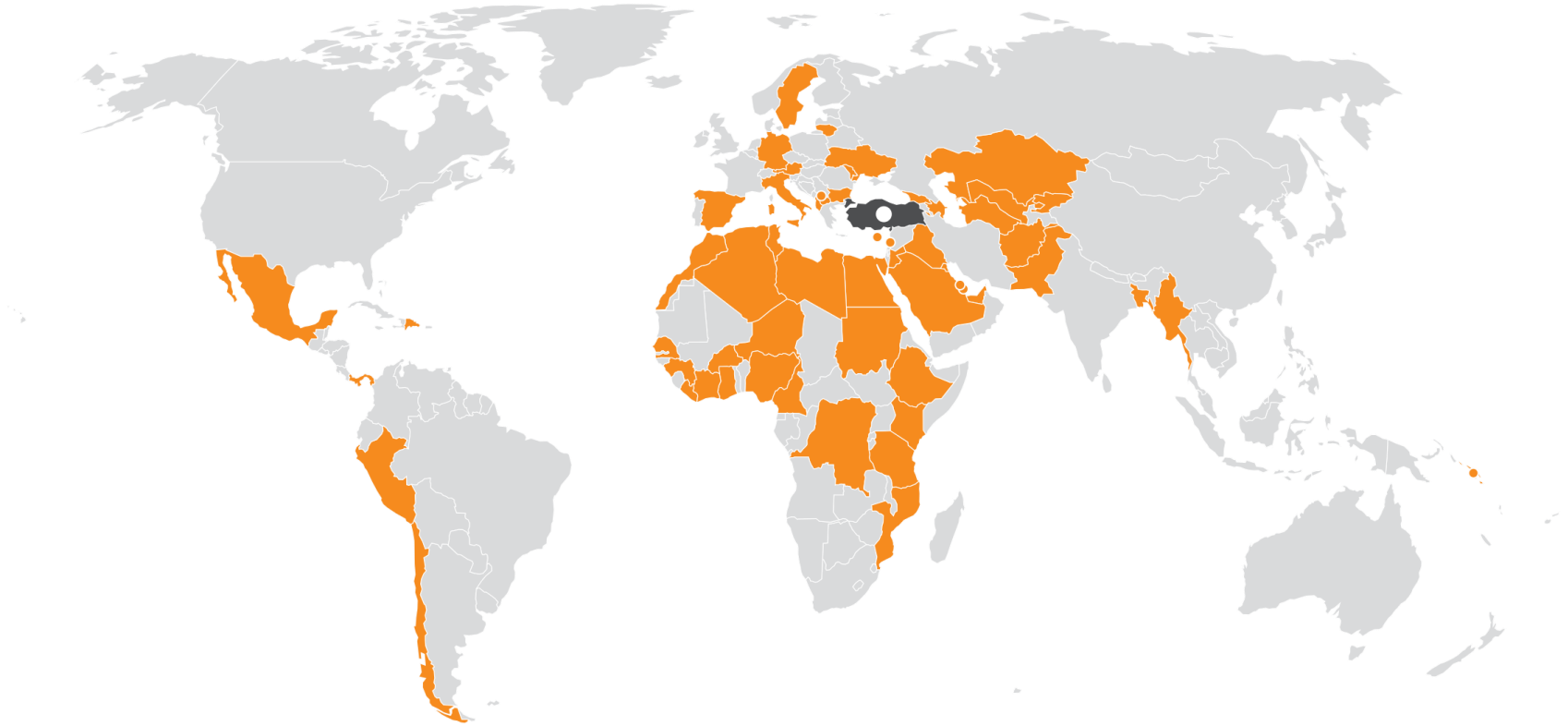


Every product we make for the first time is fully trial-assembled in our yard as part of our own quality control, whether or not the customer asks. For proven designs, we repeat the trial assembly on request, with you or your inspector.

Fewer surprises on site, faster erection.

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.

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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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