



kule direk®

Kule Direk San. Tic. A.Ş.

COMPANY PRESENTATION

ABOUT US

Our company has been founded in Hadımköy /İstanbul in 1993. Till 2000's, the company manufacturing extrusion, pasting and cutting dies and hydraulic machine. After 2000's, the company start to manufacturing poles for energy and electric sector. It expanded its products and started manufacturing the low and medium voltage pylons, wall box and energy transmission line laterals. Besides, with the increase in de-mand of the polygon fractal conic lamp post, the order of Lamp posts, Projector Posts, Flag staffs, Antenna and Transmission poles and the Mobile Electronic System Integra on (MOBESE) Security Camera Posts embody our whole manufacture. So; in line with these demands, we've modernized ourselves and our machine park and formed new machines, new produc on lines and new engineer staff and founded a project-follow up department. We've branded **KULE DİREK** in Tur-key and in most countries of the world.

KULE DİREK also manufactured composites city furntures, infrastruc-ture products etc.

As you know, it takes temporarily progressing and keeping up the quality high to keep the sustainability in any market and to put the customer sa sfac on ahead. So being **KULE DİREK** , to be able to compete in the world market with this conscious and belief, we go on as an innovative firm that follows the technology constantly and likes working steel with an ambi ous qualified staff and we know that belief is the secret of our standing and progressing.

Along with the manufacturing, **KULE DİREK** firstly raised its own business development and personal skills both about engineers and in intermediate staff and in raising masters in the factory and with some seminars and courses. **KULE DİREK** raised so many people by raising its product quality and still goes on doing that in a school vision.

We are glad to work with our partners, today and tomorrow as we were yesterday.





STEEL CONSTRUCTION STRUCTURES

Our firm which always offers innovations in the field of steel construction keeps customer satisfaction in front by realizing the delivery of work in accordance with the project that has successfully completed the works done without leaving any question marks on the minds of qualified and reliable service with its expanded customer portfolio.

Our principles such as aiming for 100% customer satisfaction in every project, never compromising on the quality values of the productions that take place in or taking out the contract, providing timely and planned productions and continuity of the work and being a solution partner until the last stage of the project, Turkey's followed by the addition of the world's largest contracting companies to the customer portfolio and has provided export to 12 different countries with 100+ successful projects.

Prodaş is active in using its resources efficiently, sensitive to environment, open to development and providing quality products to its customers. Works to become a leading company in our country.

In the light of the philosophy of Total Quality Management, we will advance our pioneering position in our region, to meet the expectations of all our stakeholders at high level and to be one of the leading companies in our country.



ENERGY TRANSMISSION LINES

KULE DİREK has the ability to conduct all kinds of tower design with its experienced engineering group and if requested, performs type tests of these constructions at international and accredited stations.

Besides, static controls, workshop drawings and manufacturing cards of the designs provided from customers or utilities can be made by KULE DİREK Design team

In case of application of a new design; prototypes are manufactured, assembled and checked by our quality teams. If requested by the customer, the supervisors of the customer and/or end user can also participate the checking of prototypes. After all of the details are fully checked on the prototype and all revisions (if any) are applied to the workshop drawings, the serial manufacturing is commenced

Towers are manufactured on fully automatic CNC lines, galvanized and packed according to international standards and the requirements of the customer; and delivered at the place requested by the customer as per the most updated Incoterms. All manufacturing and dispatch stages, including raw material acceptances, are controlled by quality teams which are independent from the factory management



STREET AND ROAD LIGHTING POLES

KULE DİREK can design and manufacture lighting and projector poles, including polygonal, round sectional and tubular.

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HIGH MAST POLES

High Masts with a very wide usage field can be used for lighting purposes in squares, intersections and roundabouts , sea ports, airports, sports areas, bus terminals, historical places etc

Highmasts are manufactured at various sizes, and the pole may have one galvanized polygonal section steel body or more than one steel bosisies joined by the slip-joint method

Galvanized steel poles produced By Prodaş are computer designed based on up-to-date Technologies and meet the customer requests of quality,safety and durability .

High mast are available in various types, which include platform,step bolts and sarungs,ladder with safety cage,internal ladder ,lift system types. Also High mast can be produced as single direction, two direction and circular multi directional types according to floodlight orientation,depending on the customer's requirements

The number of floodlights is variable depending on the size of the area to be illuminated and intensity of the light which is detemined as a results of the lighting calculation to be given by the customer with the pole lenght.

Common features of these poles are that most upper body of the where the floodlights is to be installed should be inclined to the lighting direction with a certain angle, there sholud be a frame system on which a working platform and floodlights are to be fixed.

Stadium lighting poles can be produced at any size or the manufacturing is carried out by joining more than steel body of polygonal section up to 50 m height using the slip-joint method

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CCTV AND MOBESE POLES

Camera poles are an aesthetically designed to allow easy Access to Tv surveillance cameras.

Camera poles are base plate mounted. Poles with preferred polygonal sections and round conical section can be designed. Our company specializes in the minimum oscillation which is very important for the aiming and image clarity in these poles.

Poles are generally designed for the applications such as;

- Traffic Monitoring
- Sea and Airport Surveillance
- Security monitoring such as Prison Yard Observations
- Parling lot Surveillance
- Strategic Zone Surveillance such as Military Observations

Special Customer Requests

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BOARD ,TRAFFIC SIGNALIZATION AND GANTRY POLES

KULE DİREK is the leading company in Turkey design and manufacturing of Signalization structures. These structures may be of various types, such as polygonal, square or circular cross section. According to our customer requests, the structure may be designed either as polygonal round or square section type.

Especially the polygonal signalization structures are ergonomic due to their simple construction. The diameter of the body gets narrower towards the notice board, and this shape catches the attention of the drivers more efficiently.

Besides, static controls, workshop drawings and manufacturing cards of the designs provided from customers or utilities can be made by PRODAŞ Design team.

These poles are specially designed according to number of traffic signboards, dimensions, signal requirements and place of installation such as intersections or roadways.

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LOW VOLTAGE AND HIGH VOLTAGE POLES

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Besides, static controls, workshop drawings and manufacturing cards of the designs provided from customers or utilities can be made by Prodaş Design team

In case of application of a new design; prototypes are manufactured, assembled and checked by our quality teams. If requested by the customer, the supervisors of the customer and/or end user can also participate the checking of prototypes. After all of the details are fully checked on the prototype and all revisions (if any) are applied to the workshop drawings, the serial manufacturing is commenced

Towers are manufactured on fully automatic CNC lines, galvanized and packed according to international standards and the requirements of the customer; and delivered at the place requested by the customer as per the most updated Incoterms. All manufacturing and dispatch stages, including raw material acceptances, are controlled by quality teams which are independent from the factory management



DECORATIVE LIGHTING POLES

Decorative poles are manufactured in round conical sections or polygonal sections up to 12 m in height depending on customer requests or drawings. Special customer requests are also designed and produced for different heights of shapes.

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Round poles can be produced in conical or cylindrical shape .Pole arms are designed in various concepts,with special emphasis on aesthetics.

Round lighting poles are manufactured in embedded type or as anchor bolted joint from ,with galvanized coating or paint finish which is changing according to customer requests over the galvanizing .



TELECOMMUNICATION AND ANTENNA POLES

Modern telecommunications are essential to modern society. The emergence of new technologies creates demand for additional facilities and introduction of new elements into our cities.

Our vast selection of communications poles is designed and manufactured for durability, weight and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our designs, and fabricate poles and supports that meet our clients' specifications and exceed their expectations for telecommunication poles.

Design, materials, manufacturing and installation of the structures shall be in accordance to local standards and regulations. If such standards are locally not available or not applicable for the works under this scope, latest versions of international standards as described in design section are applied.

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FLAG POLES

Flag poles are designed as a single piece for those up to 12 mt in height and ,as interlaced polygonal modules for those more than 12 mt in height. They are delivered as galvanized or painted, aluminium and stainless steel which quality 304L and 316 L

Flag poles are commonly preferred at schools, municipalities, governmental and private sector buildings with their aesthetic appearance. These poles, which can be produced between 5 and 110 meters, once galvanised, provide maintenance free operation for a minimum of 20 years in various outdoor environments.

Flag poles are designed either embedded or anchor bolted on foundation which provides easy erection, and can be hinged type or raising-and-lowering type.

All flag poles are equipped with pulleys and ropes, for the poles more than 20m height, a mechanical winch for raising-and-lowering the flag is supplied with pole.

We can provide three types of flag poles

Galvanized Flag Pole and optional electrostatic powder paint over the galvanizing.

Stainless Steel and Aluminium Flag Pole

High Flag Pole With Motor



CATENARY POLES

Being the pioneer of the galvanised steel pole industry in Turkey, Kule Poles offers the customers a better alternative to concrete railway poles, with all the advantages of the steel structure. The poles can be designed and produced either of round, polygonal or different profile cross-sections.

Options and Accessories :

Cable carrier brackets

The poles with preferred polygonal sections and round conical sections can also be designed.

The poles are hot dip galvanized and may be painted over galvanizing coat for a more aesthetical appearance.

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LIGHTNING ARRESTER AND SPECIAL POLES

Lightening Arrestor Poles are produced between 6 m and 50 m heights according to customer contract and drawings. These poles may be designed as a polygonal or round section as a single piece for up to 12m heights and slip joint or flange bolted joint methods are used for poles over 12m in height.

Fields of Application:

Airports

Seaports

Factories

Tall Buildings

Military areas

Petro-Chemical Plants etc.

Options and Accessories:

Poles with preferred polygonal sections and round conical sections can be designed.

The poles are hot dip galvanized and also can be painted over galvanizing coat for aesthetical appearance in different area.

Ladder with safety cage

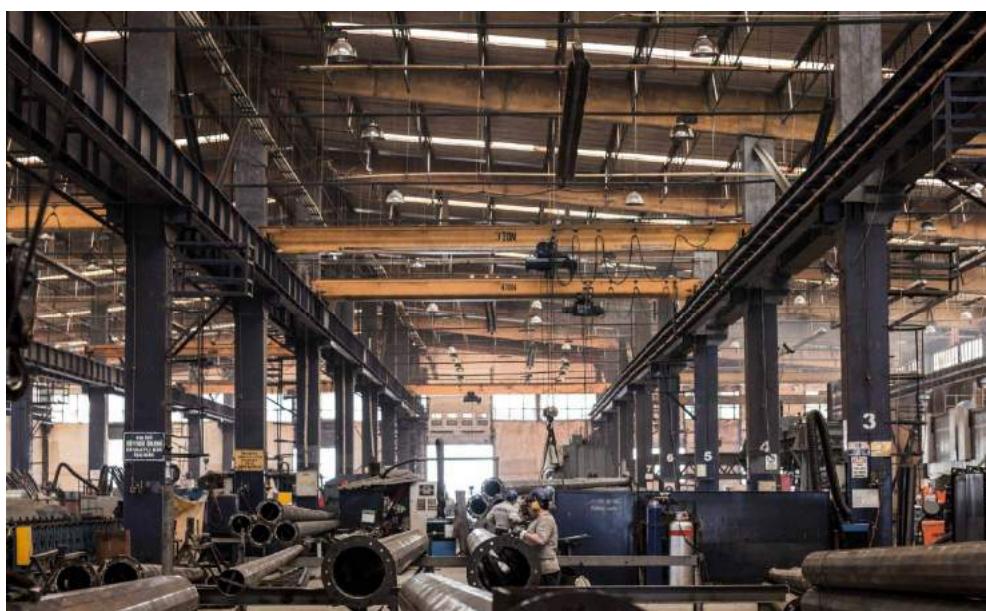
Step bolts and Rungs

Lightening arrestor rod and accessories

Earthing accessories

Specials poles are produced according to customers requests. All design and calculations are made by KULE DİREK Team .















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