



IES GALVANIZ

**Premium Standard
Galvanizing**



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Introduction and History

Dear Business Partners,

As İES Galvaniz Sanayi ve Ticaret A.Ş., we would like to thank you for being with us on our journey in the metal processing and galvanizing industry.

Our company began its journey in 2010 in Hendek, Sakarya, and expanded in 2012 with steel service center operations in Ereğli, Zonguldak. This growth was crowned in 2015 with the establishment of our modern facility in the Organized Industrial Zone of Osmaniye.

Today, we operate on a total area of 50,000 m², including 20,000 m² of enclosed production space, offering metal fabrication and hot-dip galvanizing services for the energy and steel industries. With an annual galvanizing capacity of 100,000 tons, we hold a leading position in the sector.

Under the leadership of our

Chairman of the Board, Mr. Nabil Shakel Qasab, and

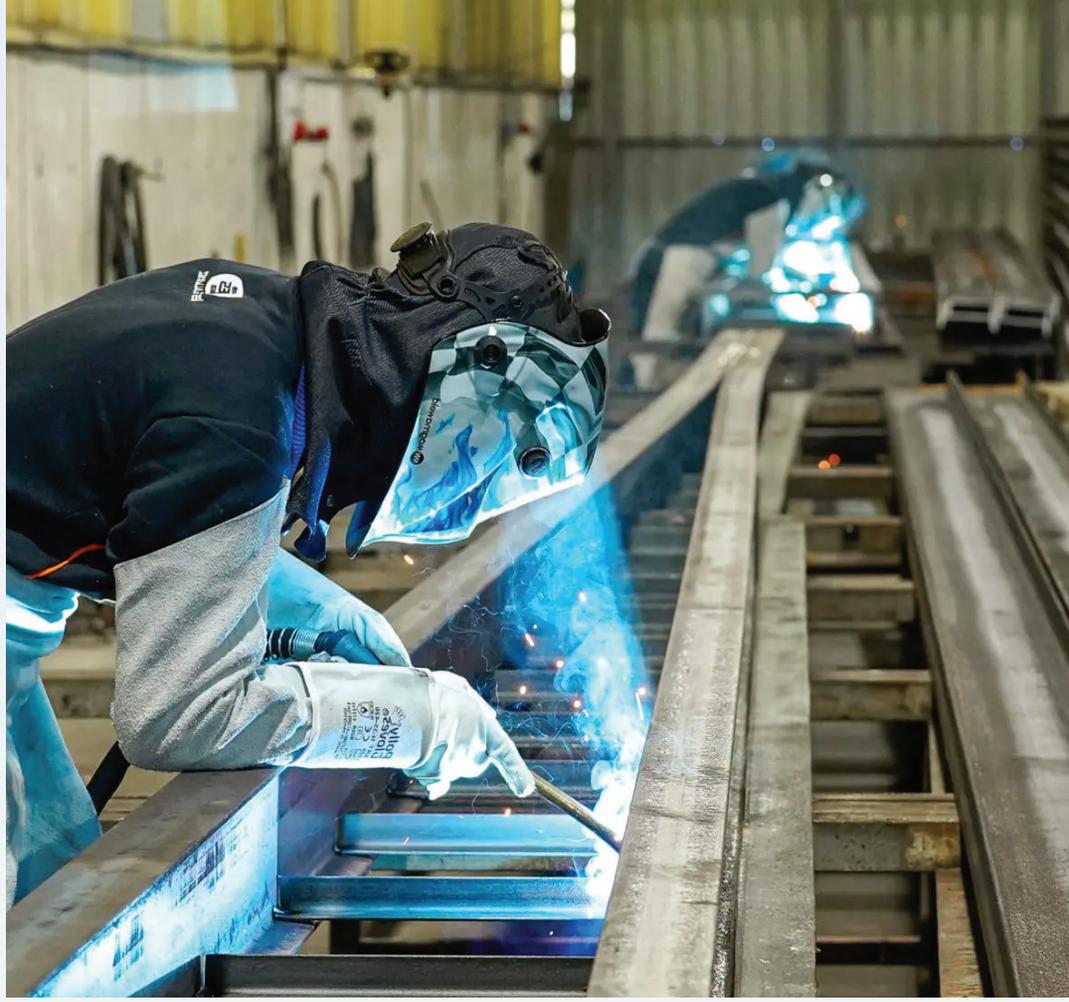
Vice Chairman, Mr. Zeki Özdemir, we place quality and customer satisfaction at the core of our operations and serve as a reliable solution partner in both domestic and international markets.

This catalog contains comprehensive information about the products and services of İES Galvaniz. We are proud to stand by your side in your journey in the metal industry, guided by our principles of quality, durability, and trust.

Sincerely,

İES Galvaniz Sanayi ve Ticaret A.Ş.

About Us



Professional Service in Industrial Galvanizing

Established in 2015 in the Osmaniye Organized Industrial Zone, İES Galvaniz provides high-quality metal fabrication and hot-dip galvanizing services for the energy and steel industries, operating on a 50,000 m² site with 20,000 m² of modern enclosed facilities. With a production approach rooted in technology and innovation, we continue to lead the industry.

Our Vision

To become a national and international leader in the galvanizing and metal processing industry, guiding the sector with innovative products and sustainable solutions, while being a company that is sensitive to the environment and society.

Our Mission

To prioritize customer satisfaction by closely following technological innovations, delivering products and services without compromising on quality, valuing our employees, and being recognized as a reliable business partner in the industry.



Our Quality Certificates

As IES Galvaniz, we hold the following certificates as a testament to our commitment to production and service in compliance with international standards:

- ISO 9001:2015**
Quality Management System


- ISO 14001:2015**
Environmental Management System


- ISO 45001:2018**
Occupational Health and Safety Management Systems


- ISO 50001:2018**
Energy Management System



Our CE Certificates

Certifying the compliance of our products with European Union standards:

- EN 1090-1**
Steel and Aluminum Structural Materials – EXC3 Class


- EN 10219-1**
Cold-Formed Welded Structural Hollow Sections
- EN 40-5**
Product requirements for metal lighting poles



Our Galvanizing Standards

We carry out our galvanizing processes in accordance with the following international standards:

- EN ISO 1461**
Hot-Dip Galvanized Iron and Steel Products
- ASTM A123/A123M**
Hot-Dip Galvanizing Standard for Steel Products
- BS EN 10346**
Continuously Hot-Dip Coated Flat Steel Products



Production Facility



As seen in drone footage, İES Galvaniz's modern production facility covers a total area of 50,000 m² within the Osmaniye Organized Industrial Zone. Our 20,000 m² enclosed production area is equipped with state-of-the-art machinery, and all our manufacturing processes are carried out in compliance with international standards.

Our Production Capacity and Figures

Annual Galvanizing Capacity:

120.000 tons

Annual Steel Fabrication

80.000 tons

Maximum Dipping Capacity

14 m x 3,4 m
x 1,5 m

Number of Employees

250+



Galvanizing Lines and Stations

SURFACE PREPARATION UNIT

Enclosed Surface Cleaning Room

Chemical Degreasing Tanks:
2 units (14m × 3.60m × 1.5m)

Acid Baths:
6 units (14m × 3.6m × 1.5m),
temperature-controlled system

Flux Bath:
1 unit (14m × 3.6m × 1.5m), with
automatic pH and density control

Stripping (Pickling) Pools:
1 unit (14 m × 3.6 m × 1.5 m),
acid-controlled system

Rinse Pools (Plain Water):
2 pieces (14 m × 3.6 m × 1.5 m)

Hot-Dip Galvanizing Unit

Drying Room:
Humidity-controlled, operating in the 70–90°C temperature range

Zinc Bath (Kettle):
Measures 14m × 3.6m × 1.5m, operates at 450°C ± 10°C

Cooling Pool:
Temperature-controlled demineralized water system operating between 40–60°C

Passivation Unit:
Processes using environmentally friendly chemicals to enhance
corrosion resistance

Our Quality Control System

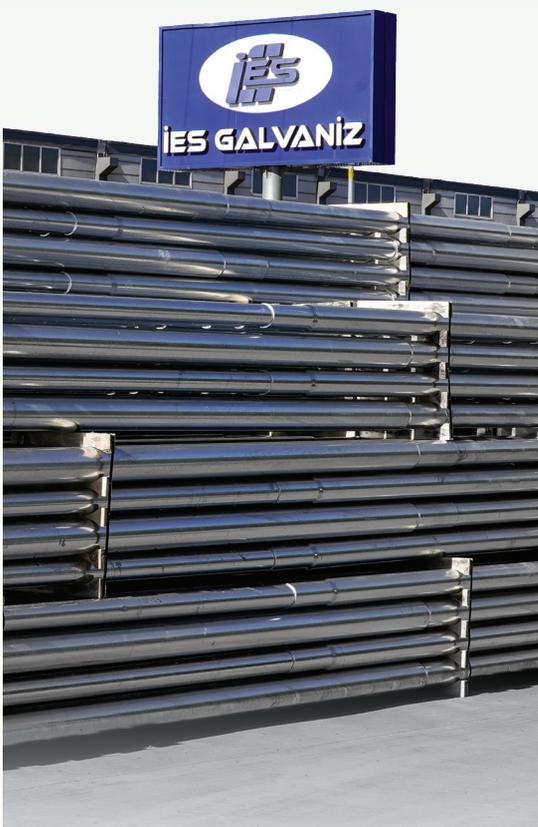
Our quality control system, implemented at every stage of the production process, is designed to be fully traceable. All inspections carried out before, during, and after the galvanizing process are digitally recorded and reported.

Drying Room:
1 units

Zinc Bath (Kettle):
1 units

Non-Destructive Testing Equipment:
Various capacities

Laboratory Analysis Unit:
Fully equipped



Welded Fabrication Services

With a strong engineering infrastructure and experienced production team, IES Galvaniz offers high-quality welded fabrication solutions for power poles, guardrail systems, lighting and camera poles, totem poles, and custom project requirements.



Our Areas of Expertise

Electric Transmission Line Poles

Our electric transmission line poles, the reliable building blocks of modern energy transmission networks, are manufactured from high-strength steel materials. We offer specially designed solutions for low, medium, and high voltage lines:



Welded Lattice-Type Power Poles

Polygonal Section Power Poles

Distribution Network Poles

Illuminated Power Poles

Custom Constructions for Transformer Substations

Guardrail Systems

Our guardrail systems, which play a critical role in road safety, are manufactured in compliance with the EN 1317 standard and deliver optimal performance even under the most demanding traffic conditions:



W-Beam Guardrails

Bridge Railings

Pedestrian Railings

Heavy-Duty Guardrails

Terminal Elements and Transition Systems



Lighting and Camera

Our lighting and camera poles, which enhance urban aesthetics and security, combine modern design with high functionality:



- Decorative Lighting Poles**
- Highway Lighting Poles**
- Stadium Lighting Towers**
- Surveillance Camera Poles (MOBESE)**
- LED Lighting Systems**

Totem Poles

Our totem poles, which enable strong representation of corporate identity, offer high durability and aesthetic appearance for advertising and promotional purposes:



- Fuel Station Totem Poles**
- Shopping Mall Promotional Totem Poles**
- Billboards and Advertising Panels**
- Directional and Informational Totem Poles**
- Custom-Designed Totem Systems**

Custom Solutions for Special Projects

At IES Galvaniz, in addition to standard products, we also offer custom solutions tailored to the specific needs of our clients:



- Modular Steel Structures**
- Telecommunication Towers**
- Wind Turbine Towers and Supports**
- Solar Panel Mounting Systems**
- Bridge and Viaduct Steel Constructions**

Our Production Capabilities

Our high-tech welded manufacturing facility, located within IES Galvanize, operates in a 10,000 m² enclosed area. Our welded manufacturing process includes the following:

- Robotic Welding Systems:** Precise and fast production with 4 welding robots
- Automatic Welding Machines:** MIG/MAG and TIG welding processes
- CNC Cutting and Forming:** Plasma, oxy-fuel, and laser cutting capabilities
- NDT (Non-Destructive Testing):** Ultrasonic, radiographic, and magnetic particle testing
- Surface Treatments:** Sandblasting, galvanizing, and powder coating

Hot-Dip Galvanizing

Hot-dip galvanizing is the process of coating steel products by immersing them in a molten zinc bath at approximately 450°C to protect them against corrosion. This method creates a metallurgical bond between the steel surface and the zinc, providing long-lasting corrosion resistance.

At IES Galvaniz, we deliver galvanizing services in compliance with international standards using state-of-the-art equipment in our facility.

Galvanizing Stages:

- 1 **Hanging**
Materials are hung properly for compatibility with the galvanizing line.
- 2 **Rinsing**
Removal of surface oils from the material using alkaline solutions
- 3 **Rinse**
Removal of alkaline solution residues using demineralized water
- 4 **Pickling**
Removal of the oxide layer on the metal surface using hydrochloric acid
- 5 **Rinsing**
Removal of acid residues using demineralized water
- 6 **Fluxing**
Coating the surface with a zinc ammonium chloride solution
- 7 **Drying**
Removal of moisture from the material in a drying oven
- 8 **Preheating**
Heating the material before immersion in the zinc bath
- 9 **Galvanizing**
Immersion of the material into the molten zinc bath
- 10 **Cooling**
Controlled cooling of the galvanized material
- 11 **Passivation**
Passivation of the surface to increase corrosion resistance (optional)
- 12 **Quality Control**
Control of coating thickness, appearance and surface smoothness
- 13 **Packaging**
Preparation of galvanized materials for shipment





Advantages of Hot Dip Galvanizing



Long-Lasting Protection:

Provides corrosion resistance for 40 to 100 years



Complete Coverage:

Ensures full coating of both the interior and exterior of even complex-shaped parts



High Durability:

Resistant to mechanical impacts and abrasion



Cost-Effective Solution:

The most economical corrosion protection method in the long term



Environmentally Friendly:

A recyclable process—materials can be re-galvanized once the coating life ends

As IES Galvaniz, we provide services in accordance with EN ISO 1461, ASTM A123/A123M and BS EN 10346 standards in all our galvanizing processes. With our modern facility and experienced team, we guarantee the highest level of protection of your products against corrosion.

Why İES Galvaniz?



Integrated Production

Design, manufacturing and galvanizing processes under one roof

High Quality

Production and quality control processes in accordance with international standards

Flexibility

Fast adaptation to customer demands and solution-oriented approach

Experience

Proven success in energy and infrastructure projects

Long Lasting Solutions

Long-term corrosion protection provided by galvanized products

As İES Galvaniz, we are ready to add value to your projects with our expertise in welded manufacturing and galvanizing. Our expert engineers will be with you at every stage of your project by developing solutions specific to your needs.





All of our energy transmission poles are produced with hot dip galvanized coating in accordance with EN ISO 1461 standard to provide a 40+ year life span. As İES Galvaniz, we offer technical support in the design and production of poles in accordance with the specific requirements of your project.





SPECIAL SOLUTIONS FOR CHALLENGING GEOGRAPHICAL AND CLIMATE CONDITIONS

İES Galvaniz offers reliable solutions to energy infrastructure projects in the region with its energy transmission poles developed in accordance with the unique challenging conditions of the Middle East region. Our products, which respond to the specific needs of Saudi Arabia, United Arab Emirates, Qatar, Iraq, Oman and other Middle Eastern countries, are designed to withstand high temperatures, sandstorms and extreme climatic conditions.

SPECIAL SERVICES FOR MIDDLE EAST PROJECTS

- Project-specific engineering calculations and design support
- Production in compliance with local regulations and standards (GSO, SASO, DEWA, ADWEA, etc.)
- On-site installation training and technical support for harsh desert conditions
- International shipping and logistics solutions
- 25-year corrosion warranty on all poles

At İES Galvaniz, we are your ideal solution partner for high-quality, durable, and region-specific energy transmission poles needed in Middle Eastern energy infrastructure investments.

Manufactured at our 50,000 m² facility in Osmaniye, our poles are developed to deliver exceptional performance even under the region's most extreme conditions.

With our experienced team of 250 professionals, we support you at every stage of your project—from planning to installation—offering optimal solutions tailored to Middle Eastern standards.



Energy Transmission Poles

Steel Pole Solutions at High Standards

IES Galvaniz manufactures high-strength steel poles developed for energy transmission and distribution networks. Our poles, which are designed in accordance with all your energy transmission line needs, provide corrosion resistance for many years with hot dip galvanized coating.





TUBULAR STEEL POLES

Our tubular steel poles, designed for urban and distribution networks, offer an aesthetic appearance, long service life, and ease of installation. Manufactured from high-quality S355JR grade steel, they provide reliability and structural stability for various power distribution applications.

Standard Height Options:

- 9 meters – Ideal for distribution networks and rural areas
- 11 meters – Optimal choice for urban medium-voltage lines
- 13 meters – Suitable for wide-span power transmission lines

Technical Specifications:

- Wall thickness options ranging from 3 to 8 mm
- Manufactured in accordance with EN 40 and EN 1090-2 standards

Southern Iraq Ministry of Electricity Specifications:

- Complies with D-22/2019 – 9 m and 11 m tubular steel poles
- Complies with D-46/2022 – 9 m and 11 m tubular steel poles
- Complies with D-48/2022 – 13 m tubular steel poles

Northern Iraq Ministry of Electricity Specifications:

- Complies with MOE/DIST/0100 – Technical specifications for 11 kV and low-voltage overhead line poles



LATTICE STEEL POLES

Developed for transmission lines requiring high load-bearing capacity, our lattice steel poles provide maximum durability with their fully welded lattice construction. No bolted joints,

Standard Height Options:

- 9 – Compact and economical solution for distribution networks
- 11 meters – Suitable for medium-distance transmission applications
- 14 meters – High-strength design for high-voltage transmission lines

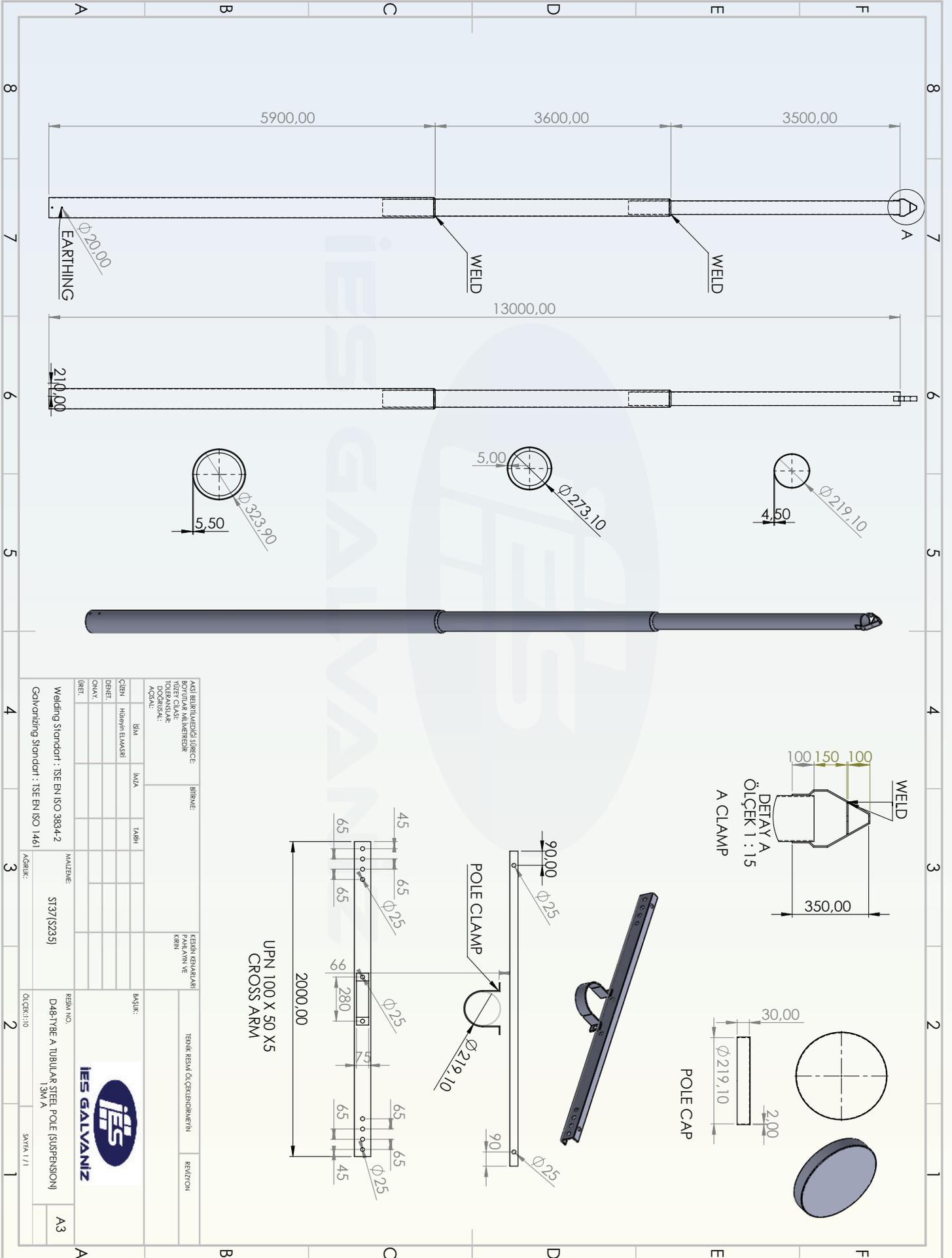
Technical Specifications:

- Manufactured using S355JR and S420 grade steel
- Fully welded lattice structure for maximum strength and vibration resistance
- Engineered to withstand high wind and ice loads
- Multiple bracket and fixture mounting options available
- Peak load-bearing capacity ranging from 60 to 120 kN

Southern Iraq Ministry of Electricity Specifications:

- D-46 / 2012 – Complies with technical specifications for 9 m and 11 m welded lattice steel poles
- D-48 / 2017 – Complies with technical specifications for 14 m welded lattice steel poles





Polygon Lighting Poles

PRODUCTION CAPABILITY IN ACCORDANCE WITH SPECIFICATIONS FOR EACH COUNTRY

Turkish Specifications:

- Production in accordance with General Directorate of Highways (KGM) technical specifications
- Structural design compliant with TEİAŞ and TEDAŞ specifications
- Certified production by the Turkish Standards Institution (TSE)
- Pole solutions suitable for the climate conditions of all regions of Türkiye

Romanian Specifications:

- Compliance with ASRO (Romanian National Standards and Metrology Office) standards
- Pole structures approved by CNADNR (Romanian National Roads Authority)
- Materials and construction meeting EN 40 standards
- Fully compliant with European Union directives

Iraqi Specifications:

- Designed in accordance with standards of the Iraqi Ministry of Electricity
- Special galvanizing coatings resistant to regional climate conditions
- Tailored solutions for Iraq's urban planning and infrastructure projects
- Pole structures customized for regions such as Baghdad, Basra, and Erbil





CE CERTIFIED QUALITY ASSURANCE

All our polygon lighting poles are manufactured in accordance with the European Union's EN 40 standard and undergo CE certification process:

EN 40-5

Product requirements for metal lighting poles

EN 40-3-1

Design and verification, specifications for loads

EN 40-3-3

Design and verification, control through verification

EN 1090-1

Conformity assessment of steel structures

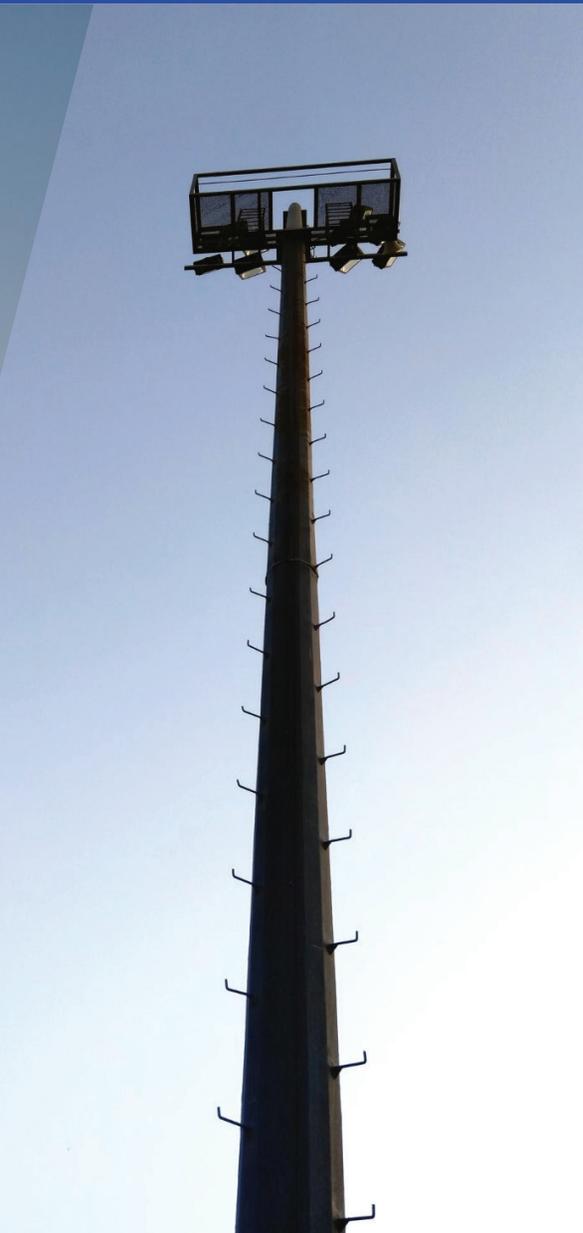
Each pole is subjected to wind load, static and dynamic strength tests and full traceability is ensured.





As İES Galvaniz, we offer high quality and aesthetic pole solutions for your lighting projects in accordance with international standards. With our 250 specialized staff, 50.000 m² production facility and large production capacity, we supply modern, safe and aesthetic lighting poles to cities in different parts of the world.





OUR POLYGONAL POLE TYPES

Standard Polygonal Poles:

- Height options ranging from 3 to 12 meters, with 8-, 12-, and 16-sided profiles
- Installation with flange or anchor cage systems
- Wall thickness options from 3 to 5 mm
- Available with single or double bracket applications

Decorative Polygonal Poles:

- Classic designs for historical city centers
- Contemporary models for modern architectural projects
- Custom paint options that blend with urban landscaping
- Decorative bracket and fixture connection details
- Integration with LED lighting systems

Special-Purpose Polygonal Poles:

- Multi-functional poles for cameras, Wi-Fi, and smart city applications
- Poles integrated with advertising panels
- Solar-powered autonomous lighting systems
- High-mast pole applications (15–35 meters)
- Special designs for highways, intersections, and bridge lighting



MANUFACTURING ADVANTAGES

S355JR and S420MC

Use of quality steel

EN ISO 1461

Minimum 70 micron galvanized coating in standard

Project-based design

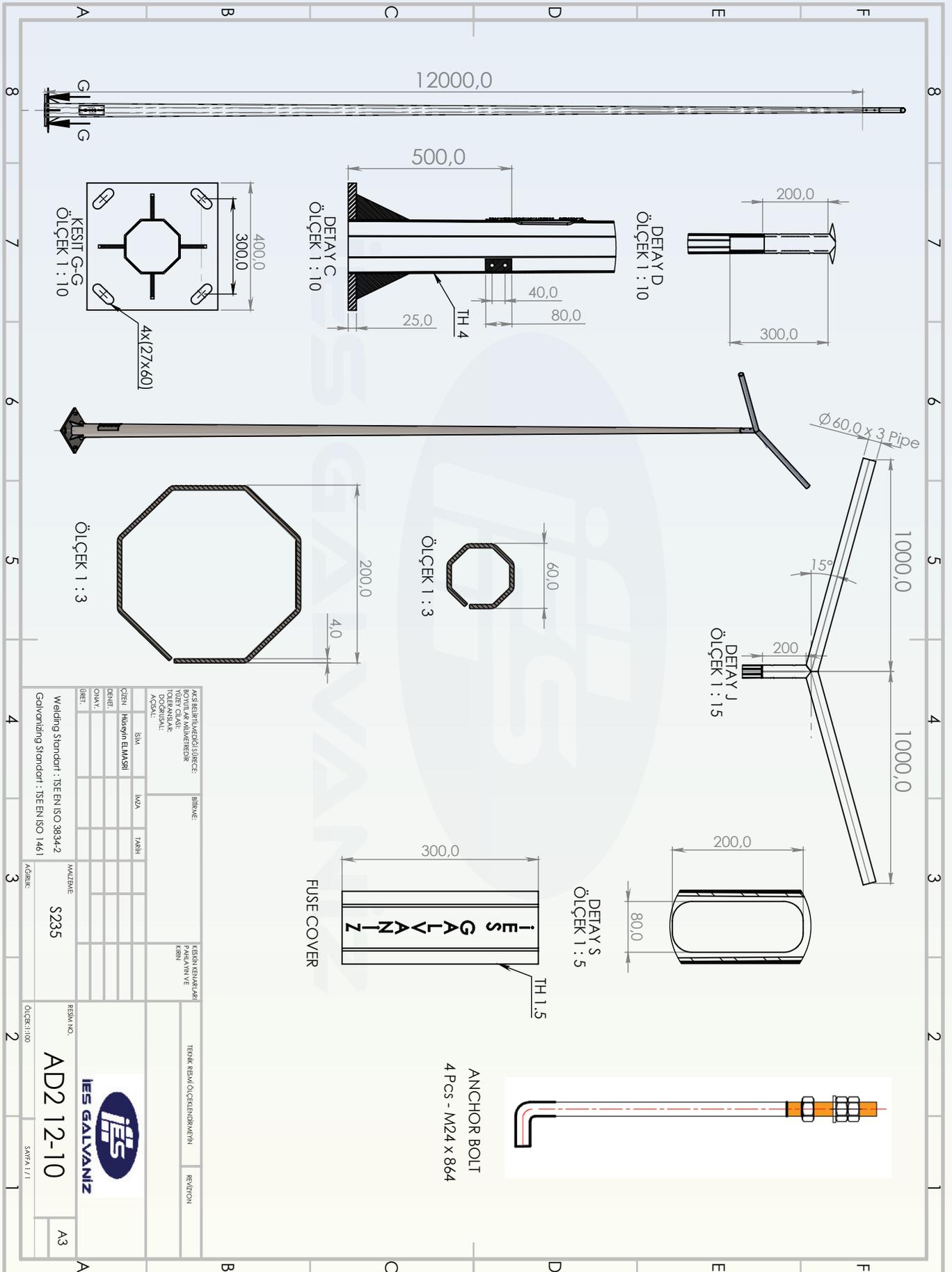
and static calculation service

Ease of assembly

on modular production

Fast delivery

and global logistics solutions



Structural Systems



Guardrail Systems and Steel Construction

IES Galvaniz specializes in structural systems with a focus on safety and durability, offering guardrail systems for road safety and steel construction solutions for various projects.



GALVANIZED GUARDRAIL SYSTEMS COMPLIANT WITH EN 1317 STANDARD

EN 1317 is a comprehensive standard accepted by the European Union that defines the performance criteria for road safety systems. It details the design, testing, and installation requirements of guardrail systems to ensure maximum safety on roads.

GUARDRAIL SYSTEMS

Designed to enhance road safety, our guardrail systems are manufactured and tested in accordance with the EN 1317 standard.

Product Range:

- W-Beam and Thrie-Beam guardrails (Classes N2, H1, H2, H3, H4b)
- Bridge railings and transition barriers
- Terminal and transition elements
- Motorcycle protection systems
- Pedestrian railings

Technical Advantages:

- Crash-tested, safety-certified designs
- Manufactured from S355JR grade steel
- Optimized connection details for easy installation
- Hot-dip galvanized coating per EN ISO 1461 standard



STEEL ROOFING AND WALL SYSTEMS

We offer high-quality steel construction solutions for industrial facilities, commercial buildings, and infrastructure projects.

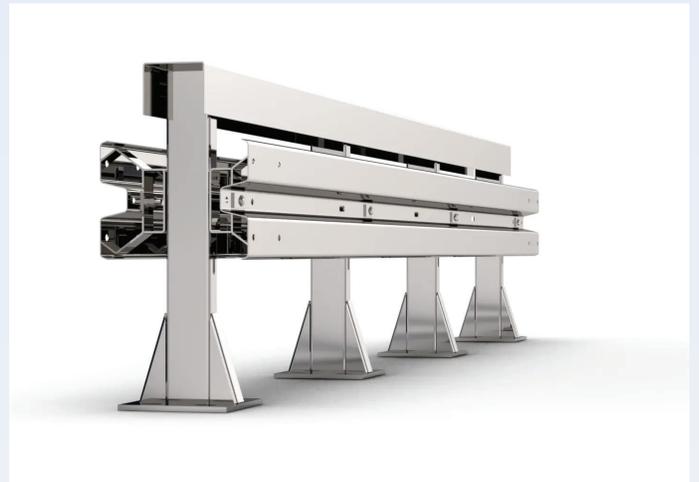
Applications:

- Structural systems for industrial and commercial buildings
- Steel roofing and façade systems
- Steel constructions for bridges and viaducts
- Crane tracks and heavy load-bearing systems
- Steel structures with special architectural forms

Technical Specifications:

- Production in compliance with EN 1090-2 (EXC2 and EXC3 classes)
- Fabrication using S235, S275, and S355 grade steels
- Precision CNC machining and robotic welding technology
- Design optimized through static and dynamic analysis
- Long-lasting protection with hot-dip galvanizing





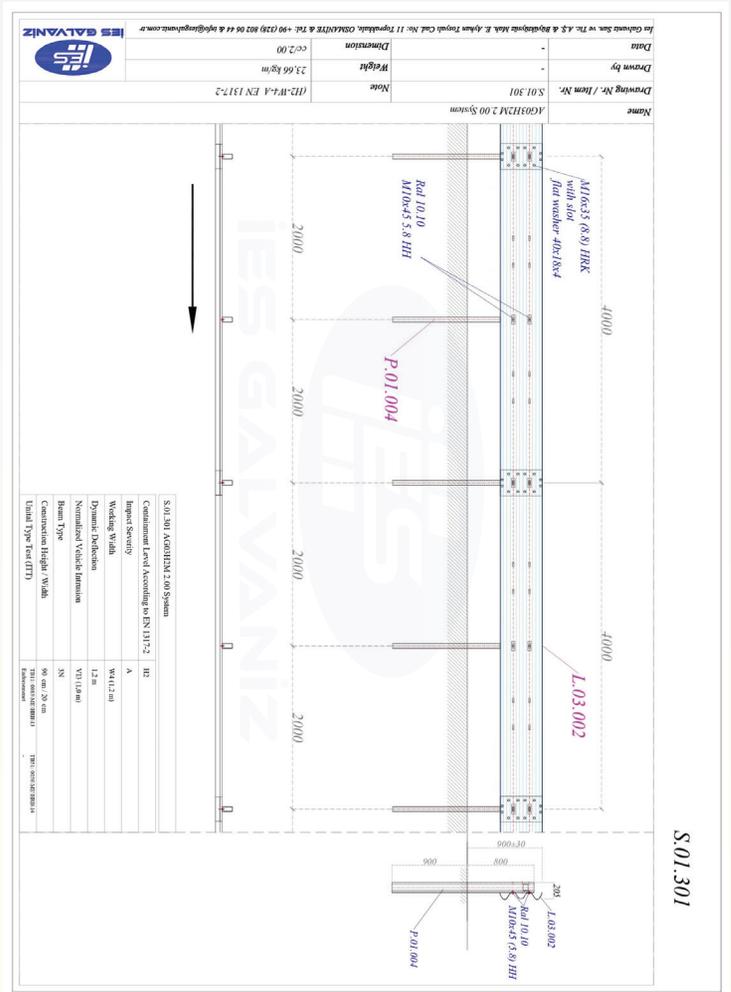
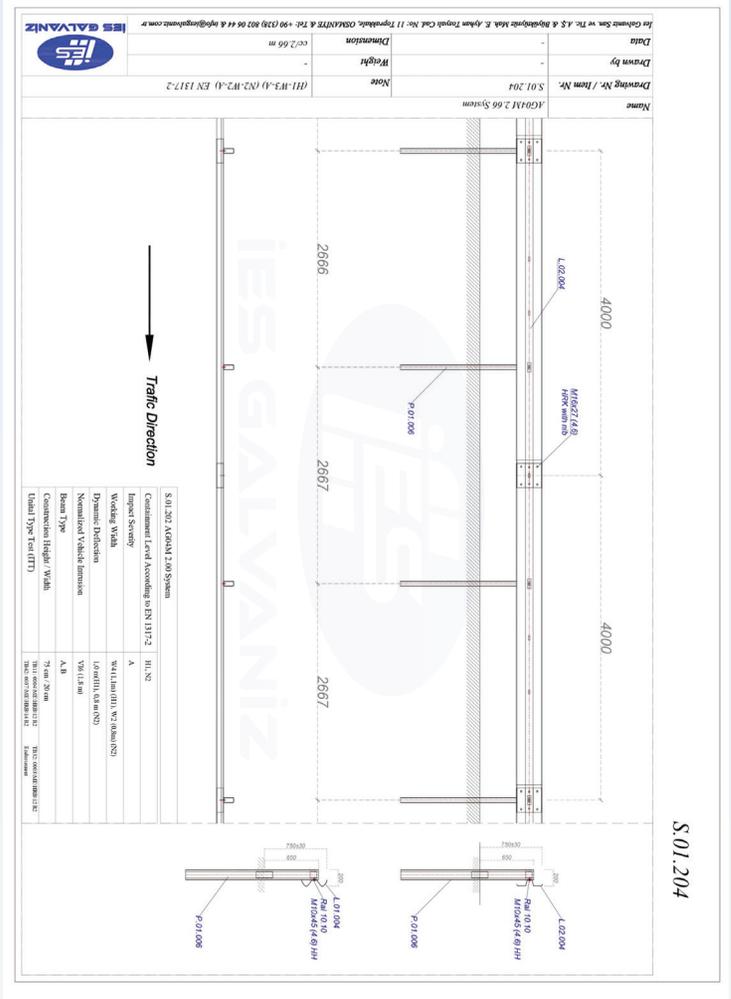
Guardrail Systems

Quality and Customer Oriented Approach

As IES Galvaniz, we carry out our production and galvanizing processes at the highest quality standards in our 50,000 m² modern facility and offer tailor-made solutions for our customers' needs.

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Technological Infrastructure Products



SOLAR MOUNTING SYSTEMS

Our solar mounting systems, which play a critical role in the efficiency of solar power plants, are designed to suit various terrain and climate conditions:

- Fixed-angle and sun-tracking support structures
- Galvanized coating with a 25+ year service life guarantee
- Construction resistant to wind loads exceeding 60 m/s
- Connection details optimized for fast installation
- Customized solutions for utility-scale (MW-level) projects



CAMERA POLES

Developed for security and traffic management, our camera poles provide reliable solutions for urban and highway applications:

- Height options ranging from 4 to 15 meters
- Compatible with CCTV and PTZ camera installations.
- Special compartments for cable channels and equipment boxes
- Wind load-calculated durable design
- Installation options with flange or anchor base

Smart Solutions for Modern Life

IES Galvaniz offers high quality and durable steel products for your technological infrastructure projects. From solar carrier systems to camera poles, from LED lighting to totem poles, we are at your service with our hot dip galvanized solutions.

At IES Galvaniz, we support you throughout every stage—from design to installation—by offering an integrated service approach for technological infrastructure products. Within our 50,000 m² production facility, we deliver durable, aesthetic, and long-lasting solutions for your projects using robotic welding technology and advanced galvanizing processes.

We are at your service with the quality and assurance of IES Galvaniz for all structural steel products required in modern cities and smart infrastructure applications.





LED LIGHTING POLES

Designed for modern urban lighting, our LED-compatible poles combine energy efficiency with aesthetic appeal:

- Polygonal-section poles ranging from 3 to 12 meters in height
- Single or double brackets, supporting 1 to 4 luminaires
- Special control boxes for LED drivers
- Decorative and contemporary design options
- CE certified and manufactured in compliance with EN 40 standard



TOTEM POLES

Our totem poles, developed for effective corporate branding and information display, combine durability with visual appeal:

- Price display totems for fuel stations
- Custom-designed advertising totems for shopping malls and commercial venues
- Height options ranging from 2 to 25 meters
- Integrated LED lighting
- Special paint and decorative surface finishing options

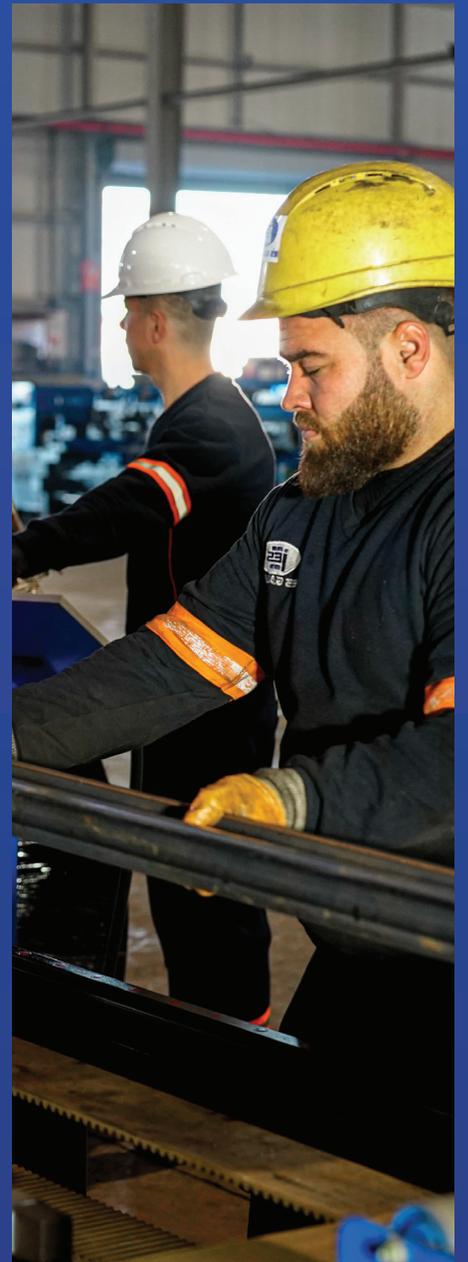


Gallery



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