



**SAFE**  
**POWERFUL**  
**PROVEN**



[www.techled.com.tr](http://www.techled.com.tr)



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TechLED was founded in 2010 in Istanbul, following 5 years of R&D, to meet the real needs of hazardous area industries through advanced lighting solutions. Since day one, TechLED has closely followed developments in lighting technology to deliver safe, efficient, and fully compliant LED fixtures.

With a strong focus on innovation and technical expertise, TechLED has become a leading name in hazardous area lighting, trusted by many of Turkey's top industrial firms.

TechLED continues to grow by building lasting partnerships and delivering solutions that meet the evolving needs of modern industry. TechLED aims to expand its footprint by serving defense, petrochemical and critical infrastructure globally.





## OUR MISSION

To design and manufacture ATEX-certified, explosion-proof lighting systems that deliver uncompromising safety, reliability, and energy efficiency in the world's most hazardous environments. We empower critical sectors — from defense to petrochemicals — with lighting solutions engineered to perform where failure is not an option.

## OUR VISION

To become a global benchmark in hazardous area lighting by continuously innovating in safety-driven design, maintaining the highest compliance standards, and customizing solutions that align with the unique challenges of each environment — without compromising performance or integrity.



# OUR SUCCESS

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01

## ATEX-Certified for Zone 1 and Zone 2 Applications

Flameproof 'd' protection with customizable configurations — safety without compromise.

03

## Defense-Grade Reliability

Designed for mission-critical facilities with zero tolerance for failure.

05

## Custom-Built for the Environment

Flexible component selection based on ambient risks, temperature, pollution, and use-case.

02

## Proven Field Performance with 0.03% Failure Rate

Over all units installed across hazardous zones since 2010.

04

## Up to 100,000 Hour LED Lifespan

Long-term reliability engineered into every fixture.

06

## End-to-End Project Support

From lighting concept and 3D design to post-installation guidance.

# Certified for Zone 1 & Zone 2 Hazardous Areas

At TechLED, lighting is not a one-size-fits-all solution, it's a matter of **safety, precision, and purpose-built design**. Our product philosophy revolves around delivering lighting systems that don't just meet standards, they are **engineered to fit your project like a custom-tailored suit**.

We specialize in **project-based manufacturing**, building each solution around the unique challenges of its environment. Whether you're illuminating a refinery, a naval base, or a high-risk tunnel, we adapt every detail, from heat tolerance to mounting design — to serve that exact application.

All our fixtures are **ATEX-certified** and predominantly utilize **Protection Method 'd' (Flameproof Enclosure) for Zone 1 and Ex nR** – Restricted Breathing (Non-sparking), for **Zone 2** risk profiles. This allows us to integrate different components based on:

- Zone classification (Zone 1 / Zone 2)
- Ambient temperature & humidity
- IP/IK protection requirements
- Mechanical installation or wiring needs

**Working with TechLED is like having a master tailor craft a suit specifically for you, rather than buying one off the rack.**

Every project is treated as a unique blueprint, and our lighting is made to fit it perfectly. This **modular, safety-driven approach** not only ensures compliance, but delivers **maximum performance and longevity**, exactly where it's needed most.





POWERFUL LIGHT

# MINIMAL WASTE MAXIMUM VALUE

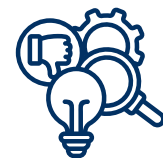
Energy efficiency isn't just a metric.  
It's a mission



- TechLED fixtures are engineered to deliver 130-160 lumens per watt, outperforming most industrial lighting on the market.
- This efficiency translates directly into:



- Up to 75% energy savings
- Lower operating costs
- Reduced environmental footprint

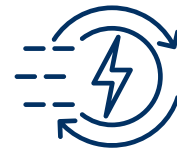


- Through advanced LED technology and continuous R&D, our systems transform lighting upgrades into long-term, measurable investments - especially in sectors where energy optimization and reliability are mission-critical.



BUILT TO OUTLAST

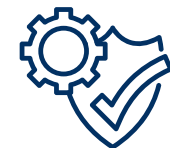
# DESIGNED FOR DEMANDING ENVIRONMENTS



- TechLED lighting fixtures are engineered for **longevity and resilience** — even under extreme conditions. Our fixtures achieve a lifespan of **up to 100,000 hours**, thanks to:



- Advanced thermal management
- Rigorous component testing
- Tailored design for harsh industrial and defense-grade environments



- We analyze all real-world factors — ambient heat, IP protection, pollution load — before production, ensuring **durability from the inside out.**



# TRUSTED IN THE HARSHEST CONDITIONS



- Every fixture we ship is backed by rigorous testing and responsive support. Most faults reported were due to external factors (e.g., installation/storage errors) — not the product itself.



- Our commitment doesn't end at delivery — it continues through long-term support, ensuring **mission-ready reliability** across all sectors we serve.



# EXPANDING OUR PORTFOLIO



Growing our company for us means becoming a one stop shop for our clients. We are expanding our product portfolio to meet the all requests regarding explosion proof electrical equipmen. In 2026, we will be starting our new prodcut lines which include explosion proof switchboards, enclosures, cable connectors, sockets, plugs, signal lights and all other related electrical equipment.

# SECTORS WE SERVE



## HAZARDOUS INDUSTRIES

- Oil & Gas Refineries
- Petrochemical Plants
- Chemical Storage Facilities
- Fuel Depots & Filling Stations
- Paint, Solvent, and Coating Plants
- Fertilizer and Ammonia Production



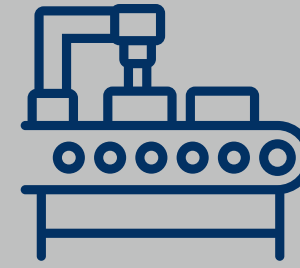
## DEFENSE & SECURITY

- Military Bases & Fuel Storage
- Ammunition Depots
- Border & Perimeter Infrastructure
- Defense Industry Facilities (Manufacturing, Maintenance, etc.)



## ENERGY & POWER

- Power Generation Plants
- Battery & Energy Storage Facilities
- Substations and Switchgear Rooms



## INDUSTRIAL & MANUFACTURING

- Cement & Steel Factories
- Textile and Leather Production
- Food Processing (with Dust Risk)
- General Industrial Zones



## MARINE & PORT

- Oil Terminals
- Shipyards & Dry Docks
- Port Lighting & Fuel Loading Areas



## AVIATION & TRANSPORT

- Airports (Fuel Tank Zones, Hangars)
- Tunnels & Underground Infrastructure
- Rail & Cargo Terminals



# Our Reference Projects



# PETKİM PETROCHEMICAL

Lighting Concept, Project Design and Supply





# STAR REFINERY

Lighting Concept, Project Design and Supply





# PETLIM PORT

Lighting Concept, Project Design and Supply





# TÜPRAŞ ALIAĞA

Lighting Concept, Project Design and Supply





# TÜPRAŞ İZMİT

Lighting Concept, Project Design and Supply





# TÜPRAŞ KIRIKKALE

Lighting Concept, Project Design and Supply





# TÜPRAŞ BATMAN

Lighting Concept, Project Design and Supply





**BOTAŞ**

# **BOTAŞ CEYHAN**

**Lighting Concept, Project Design and Supply**





**BOTAŞ**

# **BOTAŞ SİLİVRİ**

**Lighting Concept, Project Design and Supply**



**SASA**  
POLYESTER SAN. A.Ş.

# SASA POLYESTER

Lighting Concept, Project Design and Supply



**TOYOINK**

# **TOYOINK MATBAA**

Lighting Concept, Project Design and Supply

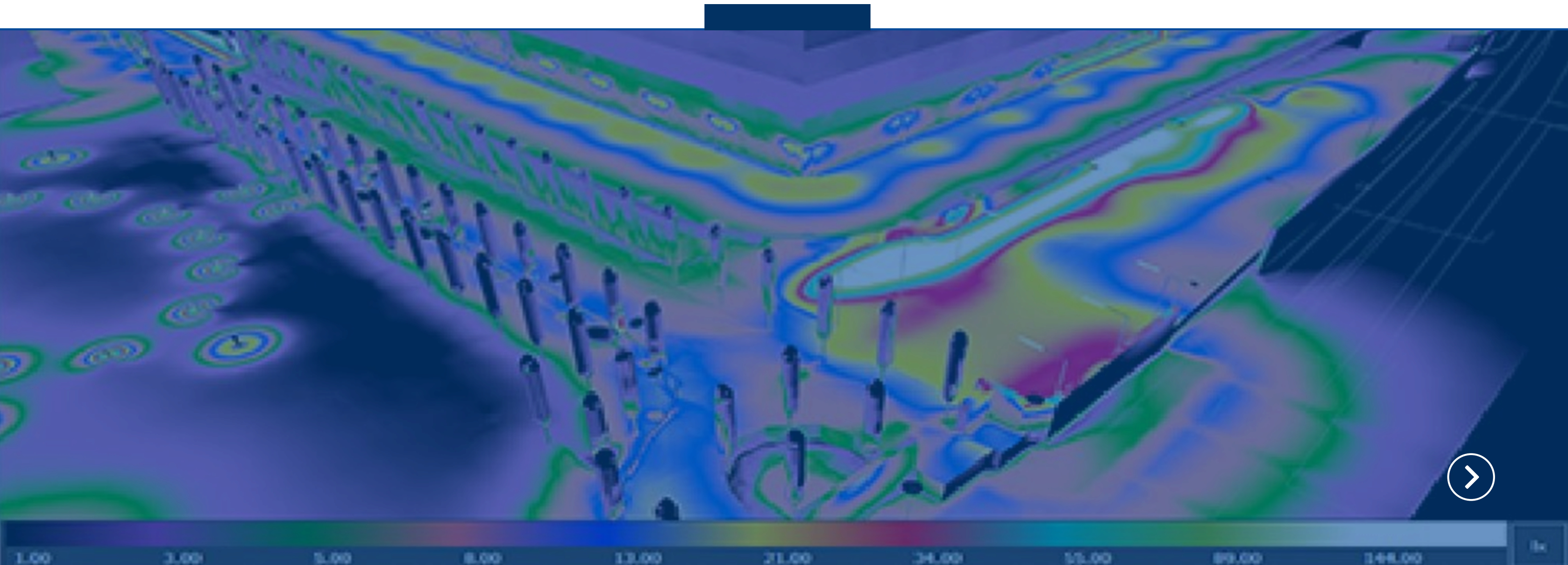


# ISTANBUL AIRPORT

Fuel tank lighting supply  
Tunnel, Road and Outdoor Lighting Project



# 2D/ 3D LIGHTING PROJECTS





## INTERNATIONAL REACH & STRATEGIC GOALS

TechLED, we don't just build lighting — we build trust in the world's most hazardous environments. Our proven track record in Turkey's largest industrial and petrochemical projects has positioned us as a reliable partner for mission-critical applications.

### Our Global Vision

- Become a trusted vendor for EPC contractors and defense integrators worldwide
- Participate in international tenders and modernization projects
- Build alliances with distributors and consultants across strategic regions

### Strategic Goals

- Launch export operations in high-opportunity regions by end of 2025
- Enter 3 new international markets annually
- Expand ATEX-certified portfolio to meet regional compliance
- Be the go-to partner for critical infrastructure lighting

**TECHLED**

Techled Elektronik San. Tic. A.Ş.



**Contact  
US**



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