

Approach to Safe Airports



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INTRODUCTION

Nowadays, with the advancement of technology in the aviation industry, there is a broad perspective on equipping airfields to provide increased services to passengers and cargo transportation. All these equipment aim to achieve better cost and time management, ultimately facilitating aviation services. Aviasafe designs and manufactures efficient airfield solutions. We offer products and services essential for keeping airports operational and safe. Our solutions ensure increased efficiency and sustainability, and our goal is to support our customers in keeping the airfields safe and preventing loss of operational time. Aviasafe is one of the few companies that offer airport solutions in all three areas of **Airfield, Gate, and Terminal** as a complete package. The strength of our company lies in executing various dimensions of projects in the form of EPC (Engineering, Procurement, and Construction), which includes design, manufacturing, testing, installation, and commissioning.

FOCUS

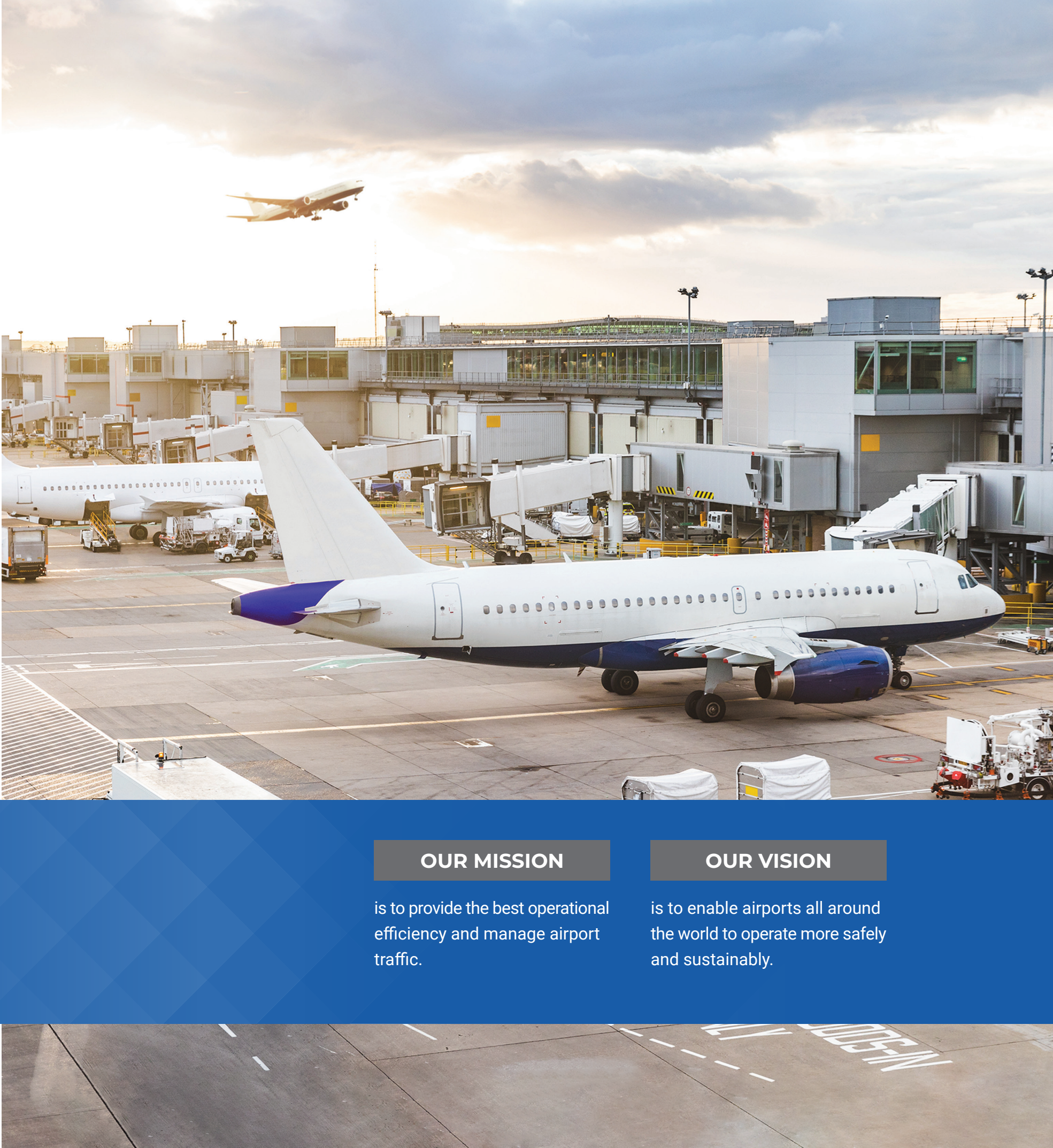
We focus on offering more efficient and affordable products and services by leveraging innovation and the latest manufacturing technologies. Our offering is a fully integrated airport that delivers superior performance and can fully satisfy customers' demands.

OUR MISSION


is to provide the best operational efficiency and manage airport traffic.

OUR VISION

is to enable airports all around the world to operate more safely and sustainably.

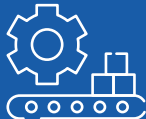


ACTIVITIES




DESIGN

With a team of experts, we design the most efficient airfield equipment. Our R&D team is constantly working on bringing new ideas to life and improving existing products.




MANUFACTURING

Equipped with the most advanced equipment and machinery we have the capacity to manufacture thousands of high-quality products in a time frame.




EPC PROJECTS

Using our experienced human resources, we offer EPC (Engineering, Procurement and Construction) services to our customers to fulfill their demands.




INSTALLATION AND TEST

Aviasafe also offers installation and testing services. We ensure the correct and on-time installation of equipment and conduct thorough testing afterward to ensure the system's proper functioning.



TRAINING AND CONSULTANT

Aviasafe offers cutting-edge technical training programs and comprehensive consultant services. Our team of experts provides consulting services to airports worldwide, assisting them in achieving optimal efficiency.

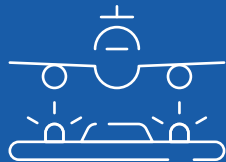


FINANCING

Aviasafe has a broad vision of the airport and aviation industry. We provide products and services worldwide and are also open to making investments in these fields.



AIRPORT EQUIPMENT



AIRFIELD

Lighting


Power

Control & Monitoring

Signs


Transformers & Connectors

Apron Lighting



GATE

PBB



TERMINAL

BHS

AIRFIELD LIGHTING SYSTEMS

Aviasafe manufactures LED airfield lighting, which offers several benefits compared to other types of lighting in the following aspects:

ENERGY EFFICIENCY

LED lights are highly energy-efficient, consuming significantly less electricity. Resulting in lower energy costs and reduced environmental impact.

LONG LIFESPAN

LED lights last significantly longer than traditional lights, reducing the need for frequent replacements and maintenance.

DURABILITY & RELIABILITY

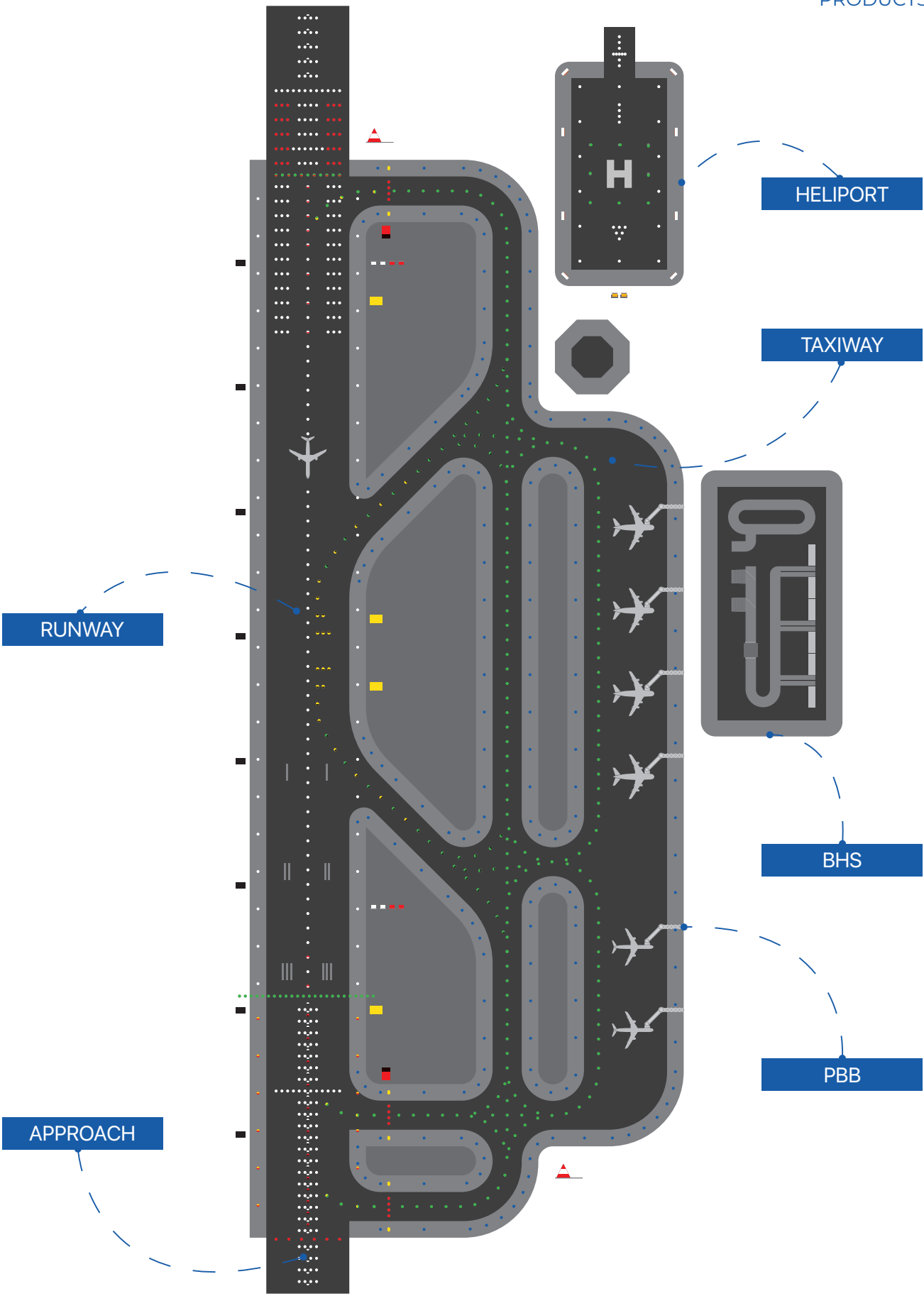
LED lights are built to withstand shocks and vibrations, making them suitable for various environments.

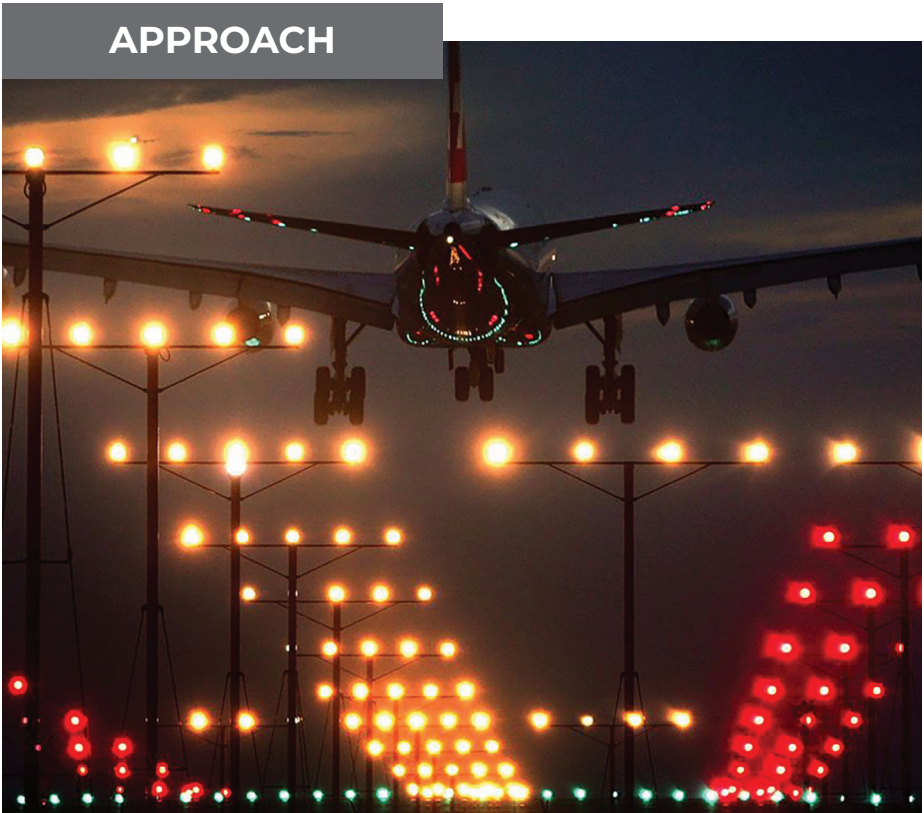
COMPATIBILITY

Aviasafe LED lights are fully compatible with the existing airfield lighting infrastructure, eliminating the need for additional equipment and preparation.

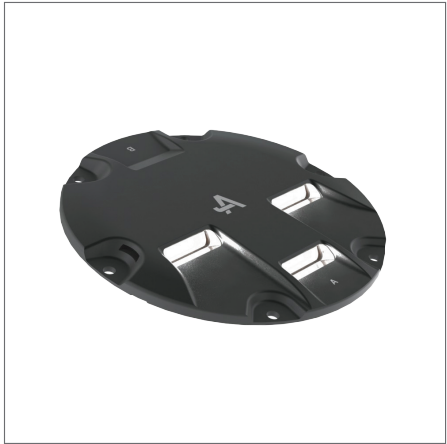
SAFETY

Aviasafe LED lights comply with airfield lighting standards including, FAA, EASA, and ICAO.





APPROACH



IN-AP

LED Inset Approach Light
LED Unidirectional 12"

Input power: 2.8A ~ 6.6A

Protrusion: 6.35 mm

Color:



EL-AP

LED Elevated Approach Light
LED Unidirectional

Input power: 2.8A ~ 6.6A

Color:



SFLS

Sequential Flash Light System
LED Elevated and Inset

Input power: 220V 60/50 Hz

Color:



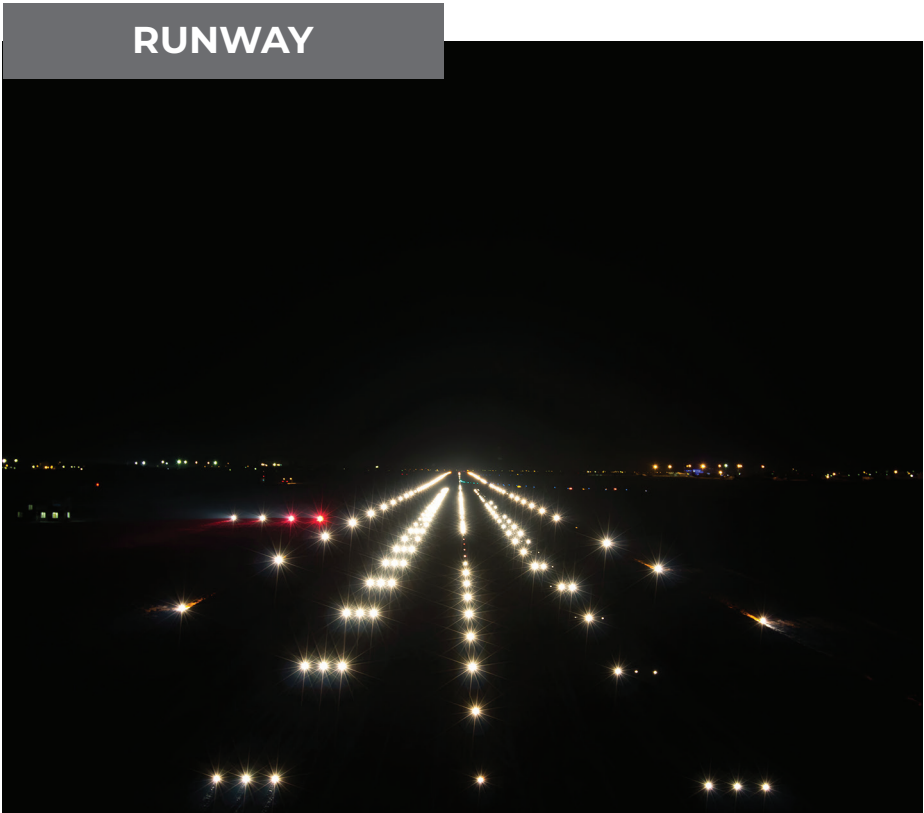
PAPI

Precision Approach Path Indicator Light

Input power: 2.8A ~ 6.6A
& 220V 60/50 Hz

3/2 (200W) Halogen Lamps

Color:



RUNWAY



IN-RE

LED Inset Runway Edge Light
LED Bidirectional 12"

Input power: 2.8A ~ 6.6A

Protrusion: 6.35 mm

Color:



IN-RS

LED Inset Runway Threshold/End Light
LED Bidirectional 12"

Input power: 2.8A ~ 6.6A

Protrusion: 6.35 mm

Color:



IN-RT

LED Runway Threshold & Wing Bar Light
LED Unidirectional 12"

Input power: 2.8A ~ 6.6A

Protrusion: 6.35 mm

Color:



IN-RL

LED Inset Runway Centerline & RETIL Light
LED Unidirectional 12"

Input power: 2.8A ~ 6.6A

Protrusion: 6.35 mm

Color:



IN-RZ

LED Inset Touchdown Zone Light
LED Unidirectional 12"
Input power: 2.8A ~ 6.6A
Protrusion: 6.35 mm
Color:



IN-RN

LED Inset Runway End Light
LED Unidirectional 12"
Input power: 2.8A ~ 6.6A
Protrusion: 6.35 mm
Color:



EL-RE

LED Elevated Runway Edge Light
LED Bidirectional
Input power: 2.8A ~ 6.6A
Color:



EL-RS

LED Elevated Runway Threshold/End Light
LED Bidirectional
Input power: 2.8A ~ 6.6A
Color:



EL-RT

LED Elevated Runway Threshold & Wing Bar Light
LED Unidirectional
Input power: 2.8A ~ 6.6A
Color:



EL-RN

LED Elevated Runway End Light
LED Unidirectional
Input power: 2.8A ~ 6.6A
Color:

TAXIWAY & HELIPORT



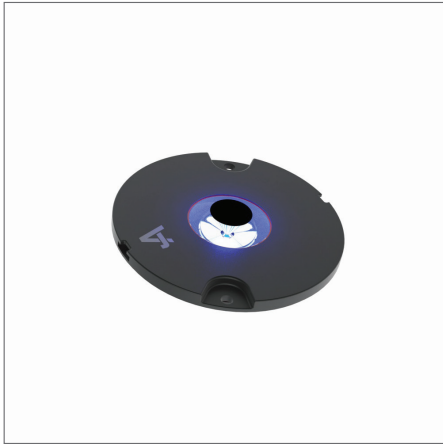
IN-RG

LED Inset Runway Guard Light
LED Unidirectional 12"
Input power: 2.8A ~ 6.6A
Protrusion: 6.35 mm
Color:



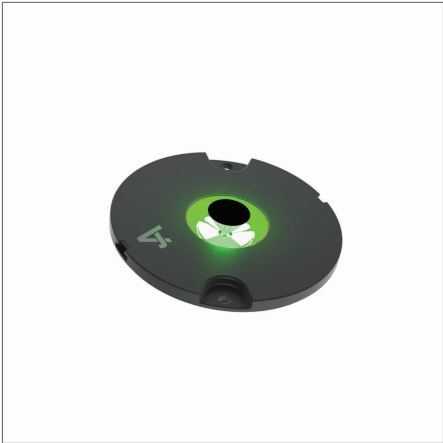
EL-TE

LED Elevated Taxiway Edge Light
LED Unidirectional
Input power: 2.8A ~ 6.6A
Color:



IN-TE

LED Inset Taxiway Edge Light
LED Omnidirectional 8"
Input power: 2.8A ~ 6.6A
Protrusion: 6.35 mm
Color:



IN-HL

LED Inset Heliport Light
LED Omnidirectional 8"
Input power: 2.8A ~ 6.6A & 220V 60/50 Hz
Protrusion: 6.35 mm
Color:



EL-HL

LED Elevated Heliport Light
LED Omnidirectional
Input power: 2.8A ~ 6.6A & 220V 60/50 Hz
Color:



HAPI

Helicopter Approach Path Indicator
2 (200W) Halogen Lamps
Input power: 2.8A ~ 6.6A & 220V 60/50 Hz
Color:

AIRFIELD GUIDANCE SIGNS

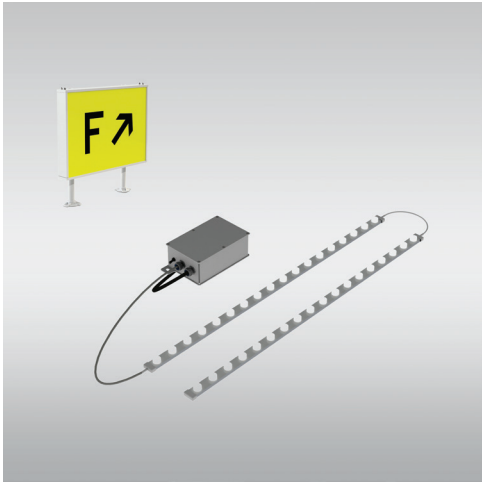
Airfield guidance signs are installed in different areas of the airfield and are used for identifying specific sections and providing direction and position indications. Aviasafe signs are designed for easy installation and are equipped with high-efficiency, long-lasting LED lights, ensuring enhanced visibility during nighttime and bad weather conditions. Aviasafe guidance signs comply with airfield lighting standards including, FAA, EASA, and ICAO.

DIMENSIONS	
Width	135mm
Height	846mm (Message Size 3) - 646mm (Message Size 4)
Length (3000-600)mm	{ 641 , 691 , 741 , 791 , ... , 2941 , 2991 , 3041 } mm



LED RETROFIT KIT FOR AIRFIELD GUIDANCE SIGN

The power consumption, maintenance cost, and need for spare parts for Airfield Guidance Signs illuminated with halogen or fluorescent lamps are high. Aviasafe offers LED Retrofit Kits as a solution to upgrade old-style signs with LED technology. Installing these kits in sign panels without any changes to the structure or other components is the best solution to renew the signs instead of purchasing new panels.





CCR

Constant current regulators (CCR) are used to supply the power needed by the airport equipment, including the ground lighting system and the signage system. Aviasafe CCRs provide constant current adjustable from 2.8A to 6.6A (20A upon request) and are optimized to maintain a consistent output current despite the input power fluctuations. Our regulators are designed to have a high power factor, lightweight, and reliable and safe performance.



ALCMS

ALCMS (Airport Lighting Control and Monitoring System) seamlessly coordinates and regulates the complex network of lighting elements across airport facilities, ensuring optimal visibility and safety. ALCMS simplifies the control and monitoring of lighted visual aids. The basic function of the system remains the same, whether for a general airport supporting only a few operations per day or a large commercial airport handling hundreds of operations daily. Aviasafe's control and monitoring systems not only ensure smooth airport traffic flows and minimal downtime but also play an integral role in maintenance operations.

AviaBridge

PASSENGER BOARDING BRIDGE (PBB)

Also known as an air bridge or jetway, is an elevated enclosed passageway connecting an airport terminal gate to an airplane. It allows passengers to board and disembark from the aircraft without being exposed to the elements or safety risks present on the ramp.

Aviasafe PBBs are designed to be reliable and efficient and able to service various types of aircraft. Depending on the customer's requirements, PBBs can feature 2 or 3 tunnels, various types of glass, and different installations.

We offer custom-designed PBBs and ensure that the interior of our PBBs is synchronized with the terminal's design.





Baggage Handling System (BHS)

The Baggage Handling System is used in airports to manage passenger’s baggage. Aviasafe Baggage Handling Systems are fully automatic and equipped with automatic tag readers and baggage tracking systems, ensuring a smooth and secure handling process and a scalable system to help airports increase their passenger capacity.

ACCESSORIES

To complement our services, we offer a range of accessories designed for the installation and maintenance of airfield systems. These accessories play a crucial role in the proper functionality of the systems.



Breakable Coupling



Shallow Base 12"



Shallow Base 8"



Adaptor Ring



Base Plate