



AIRFIELD LIGHTING

System Design & Portfolio



Simplicity.

Efficiency.

Longevity.

HDK Airfield Lighting portfolio provides complete AGL solution for wide range of lighting requirements, from non-precision to Cat III ratings. We strive for efficiency in all areas, serving same principles to all our customers: Purpose-built Design, Professional Engineering and Optimized Capacity.



All our products are designed usability and serviceability in mind. Simplified installation featured with intuitive configuration and control are the cornerstones of our design concept.



Operational efficiency in our solutions means highest reliability and best value to cost ratio due to innovative combination of proven and latest technologies with unique features.



Our AGL portfolio is built around long lasting products and optimized maintenance procedures. We are paying attention into details and developing portfolio that helps clients to optimize performance without compromising environmental goals.

Airfield Portfolio

Runway Lights

Airports providing night-time flight operations must be equipped with lighting system. HDK offering covers requirements from non-precision to CATIII conditions



Taxiway Lights

Taxiway lighting is an important part of safe navigation during low visibility operations, helping pilots and vehicle drivers follow the correct taxiway routings. HDK portfolio covers all taxiway and apron application.

Approach Lights

Approach lighting system provides pilots important visual indication when moving from instrument to visual flight. We can serve wide range of requirements from visual to ILS equipped runways.

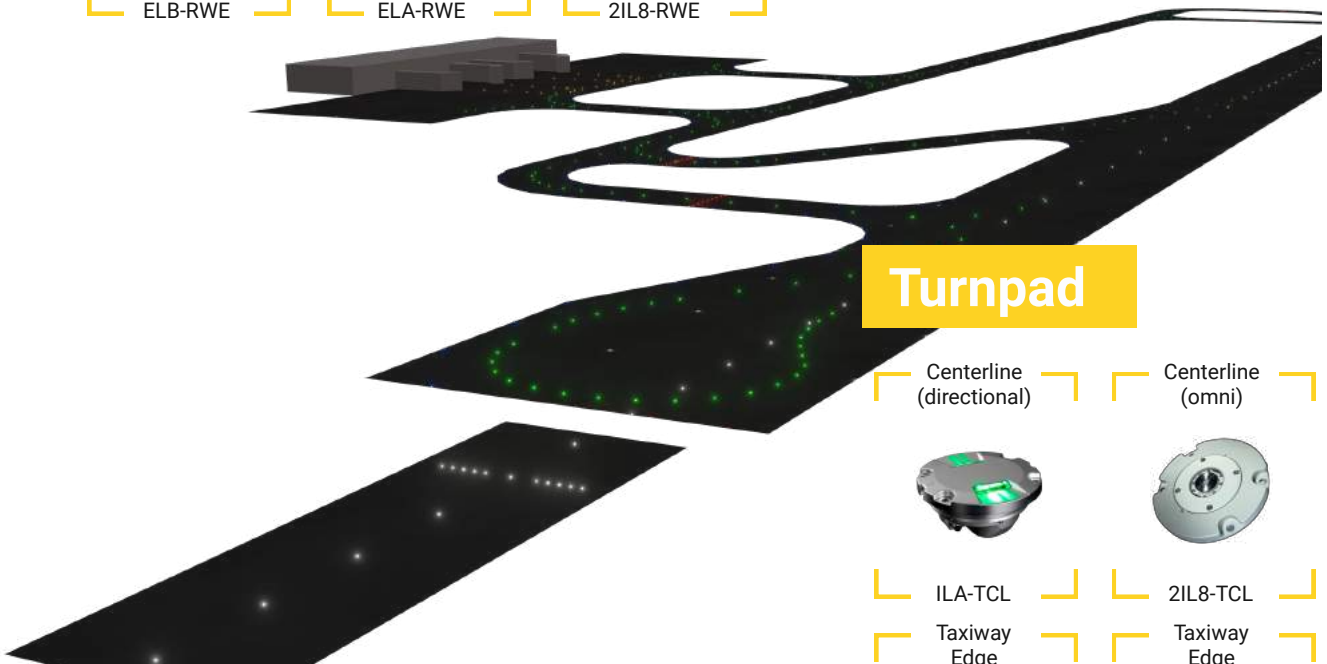
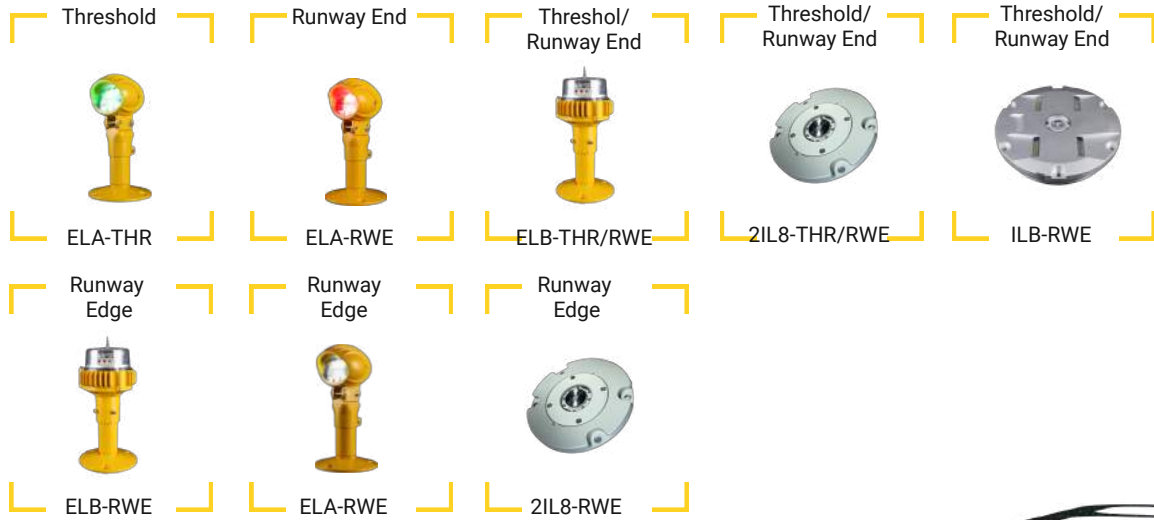


Customized Solutions

We are providing fully customized solutions for clients AGL portfolio. BATT Suisse can fully support you in the various areas of aviation infrastructure.

Simple Runway

Runway



Turnpad



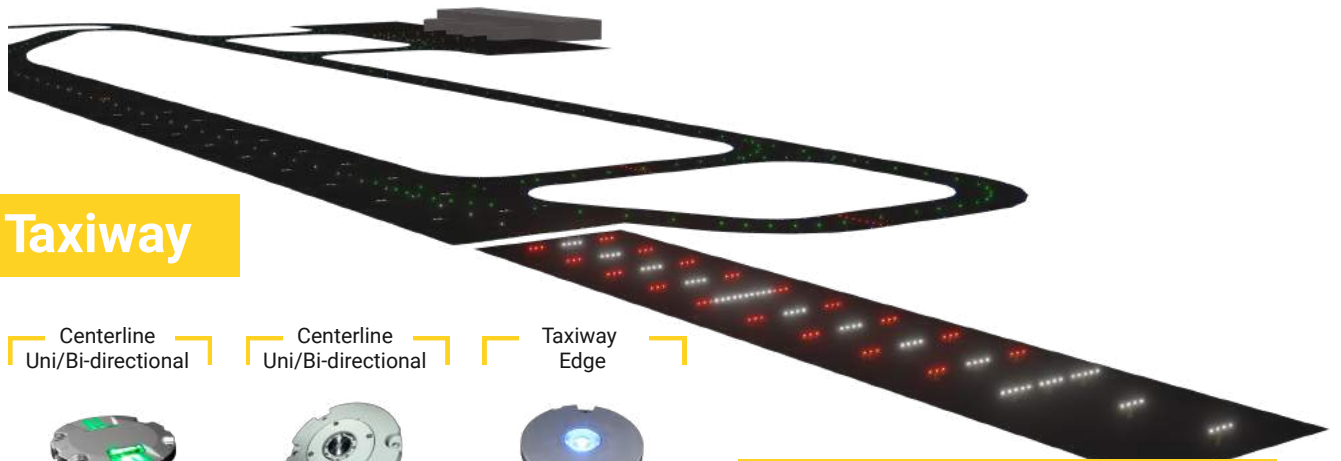
Non-precision

Approach



Precision Runway

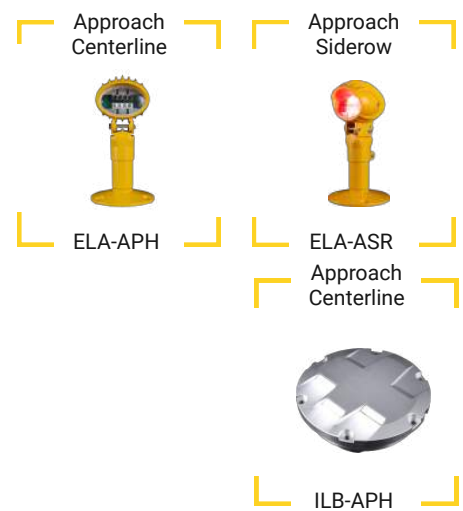
Runway



Taxiway



Precision Approach



Accessories



In addition to a comprehensive lighting portfolio, we also offer accessories to support installation and maintenance activities.

Shallow Base - 8" and 12"

Light weight shallow bases for Inset Light Installations

- Universal design for 8" and 12" AGL installations
- Made of high quality, corrosion resistant aluminum alloy

Adaptor ring - 12"

Adaptor ring to accommodate 8" fixtures on 12" installation base

- Durable yet light weight aluminum diecast
- Snowplough resistant
- Compatible with 8" inset light design and 12" base

Magenta Lock Safety Screw

5/8" Screw for extended preload safety and usable for all screwed AGL lighting products

- Improves maintenance time for visual inspection, decrease risk of FOD & failure while installation/maintenance.

Sensor wrench for Magenta Lock

Sensor wrench release a full potential of predictive maintenance of runway lighting

- Precise clamp force by direct measurement, display and documentation of torque, angle and preload.
- Compliant with Magenta Lock SENS

Snowplough Ring

Protection of inset light fixtures during winter maintenance activities

- Compatible with 8" inset light design
- Made of high quality, corrosion resistant aluminum alloy

Isolation Transformers

Low leakage transformers to serial circuits

- High quality transformers from our European supplier for spare parts or stacked with the light fixture.
- Rated power 10 - 500W

Primary and Secondary Connectors

Primary and secondary connectors to AGL serial circuits

- Connector kits from our European supplier
- Watertight and durable installation to any environments

About Us

Our Airfield Ground Lighting portfolio is the outcome of partnership of two experienced collaborators, BATT Suisse from Switzerland and HDK from China. History of BATT Suisse goes back to 2013 when BATT GmbH was founded by two German engineers, with profound background from automotive, aerospace, telecommunications, lighting and automatization industries. Four years later in 2017 BATT Suisse was founded, with the focus on aeronautical design and consulting. BATT Suisse built its business on product and engineering expertise, specifically on Heli- and Vertiports sector. Today both companies are merged providing wide range of solutions from feasibility studies and engineering concepts to compliance & safety management and auditing.

Hangdakang Electrical & Mechanical Technology, HDK, established in 2003 in Wuhan, China. It is a locally well known provider of Navigation Aids, Frangible Mast Systems and Heavy Duty Support Equipment. In 2017, HDK started to create high-quality LED Airfield Lighting Portfolio and cooperation with BATT Suisse began. From very beginning our goal was to build reliable, efficient and innovative offering of Airfield Lighting Products for customers around the world. Today we are proud to present the complete AGL portfolio, manufactured in China, engineered in Switzerland.

Our teams are responding to growing demand and 2021 BATT Suisse has 6 permanent employees and HDK has a team of 30+ employees. As of today our European business is driven from BATT HQ in Switzerland. We are excited supporting global AGL business and seeing results out of our proven pan-continental co-operation.



Björn Abel
Managing Partner, BATT



Muyang Chen
Managing Director, HDK



HDK

BATT
SUISSE