



# HELIPORTS

Product & Service Portfolio





# Our Portfolio

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## Heliport Lighting

High quality and innovative products designated to illuminate heliports and related structures to increase the safety of flight operations. Characterized by their durability, simplicity and timesaving installation the wide range of available light colors allows a broad and compliant application.

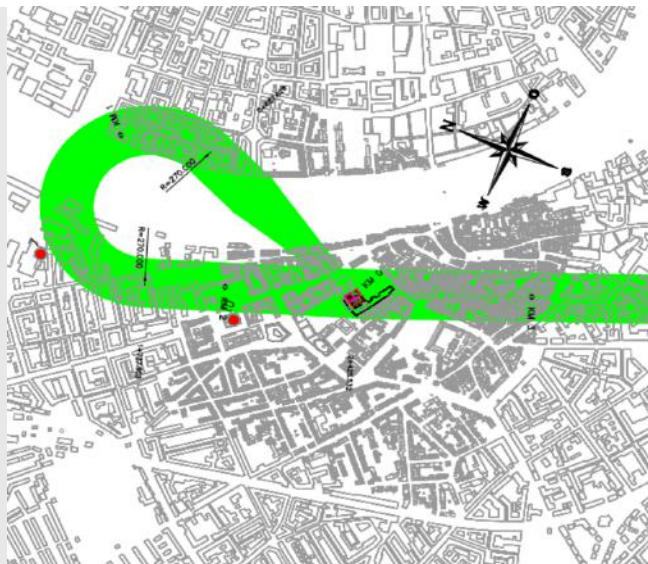


## Heliport Control

Innovative and customizable heliport control system developed by BATT Suisse to simplify and automatize operation of the landing site. The BATTCon heliport control system enables an efficient manual or automated operation of the helicopter landing platform(s) on-site or via a web application.

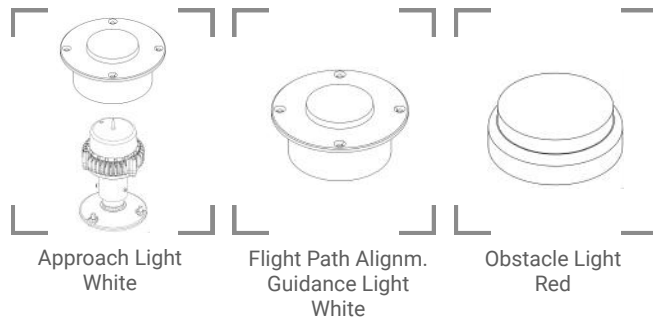
## System Design Services

Be it planning or design of flight routes or flight operation associated systems of heliports and airports, or execution of site evaluation and feasibility studies, BATT Suisse offers customer-oriented services based on profound expertise.

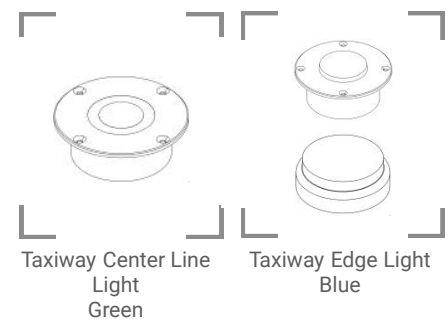


# Heliport Lighting

## Approach Phase



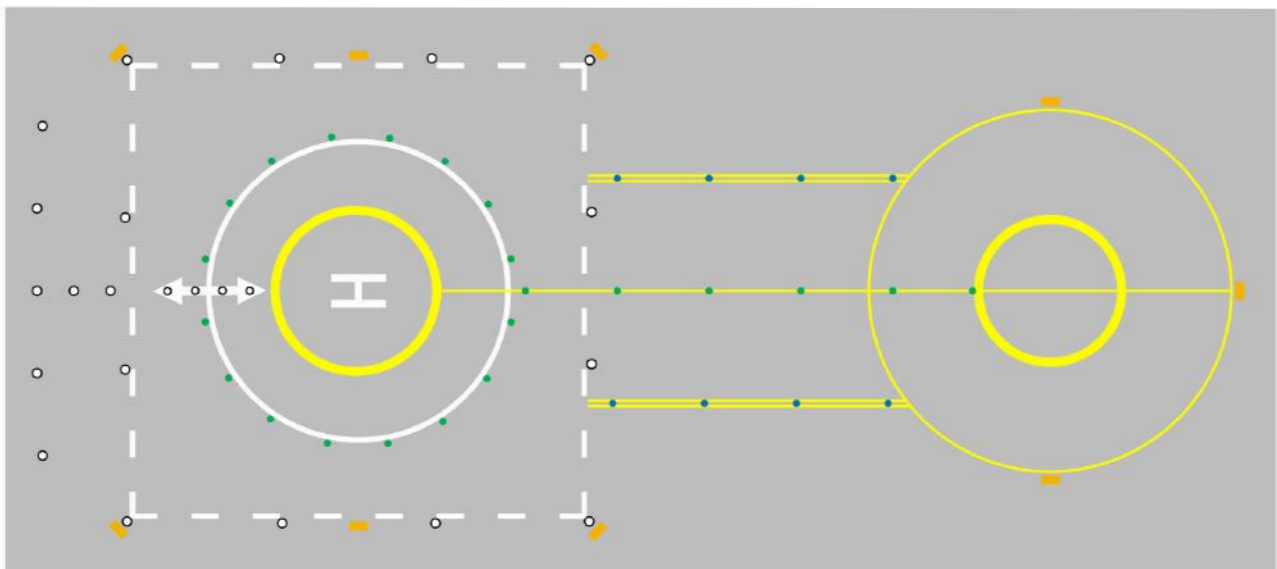
## Maneuvering Phase



BATT Suisse provides optimal lighting solutions for heliports where the highest quality and reliable operation is challenged. The products are engineered and manufactured in Switzerland and Germany standing out with their practical and compact design resisting environmental influences. For enhanced situational awareness and safety relevant BATT Suisse lighting products are available with infrared capabilities

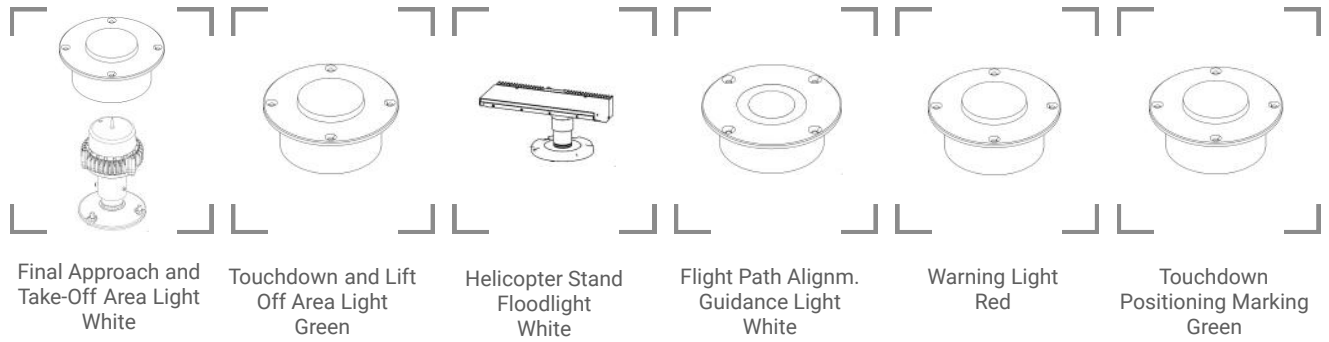
compliant with common as well as specific national industry standards. To accommodate the customer need regarding specific power supply (6.6 CCR /24VDC/230VDC), BATT Suisse is capable to offer suitable product variants. The alignment of the lighting with the BATTCon Series products enables BATT Suisse to provide a custom oriented heliport lighting turnkey solution with a high level of system efficiency.

## Surface Level Heliport

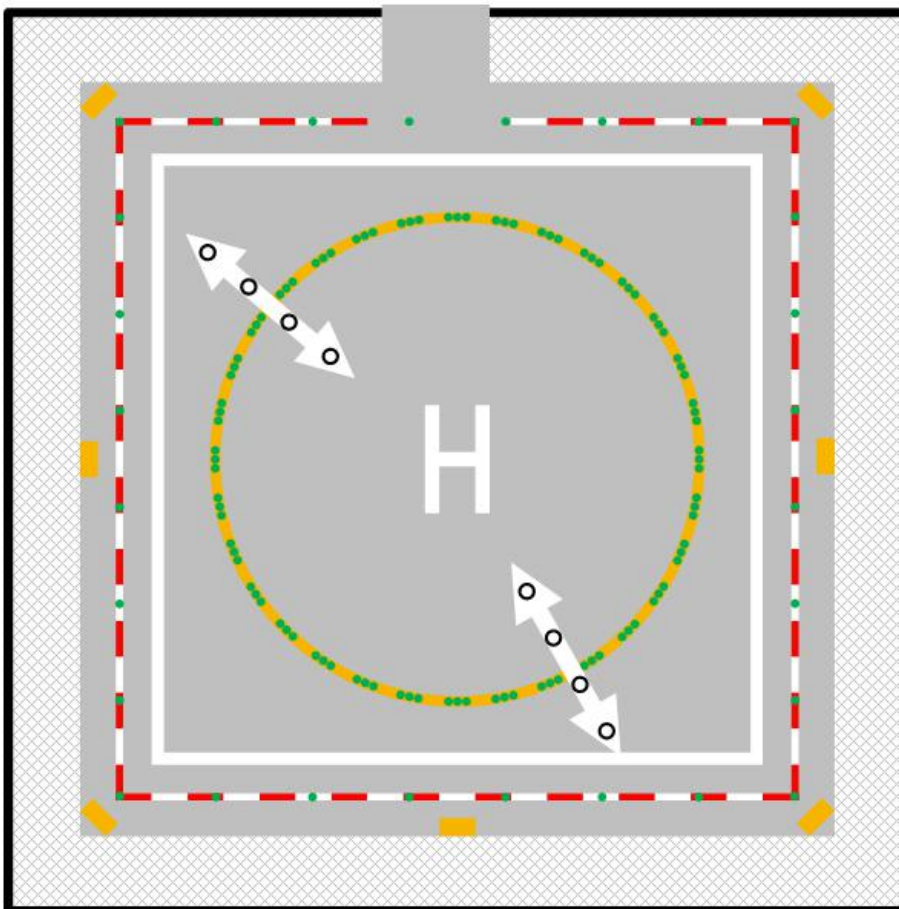


# Heliport Lighting

## Landing Phase



## Elevated Heliport



- In development
- Touchdown Positioning Marking  
Yellow
- Being planned
- Cross Marking  
Green

# Heliport Lighting

## Infrared Capabilities for Night Vision Goggles

Nowadays helicopter operators rely on the application of night vision goggles to support the situational awareness of their pilots during HEMS or SPO flights that are taking place at night. It is seen as best practice to contribute to a successful and safer mission completion. Independent of using night-vision goggles, the recognition of a lit helicopter platform located within an environment where ambient brightness is reasonable can be challenging for the flight crew. During the approach phase of the flight, where increased workload for the flight crew can be expected, immediate detection of the landing platform has multiple benefits for all stakeholders. Therefore, the application of visual navigation aids with infrared capabilities ensures a distinctive

recognition of the landing site or aviation obstacles by the flight crew equipped with night vision goggles, resulting in enhanced situational awareness, reduced flight time, less noise pollution for residents and ultimately in increased safety.

BATT Suisse contributes to a better landing platform recognition by providing visual navigation aids with integrated cutting edge infrared technology compliant with common industry standards as well as specific national standards, for example:

- ICAO
- EASA
- FAA
- AD-I-006 / Switzerland
- BMVI AVwV / Germany
- LFV / Austria

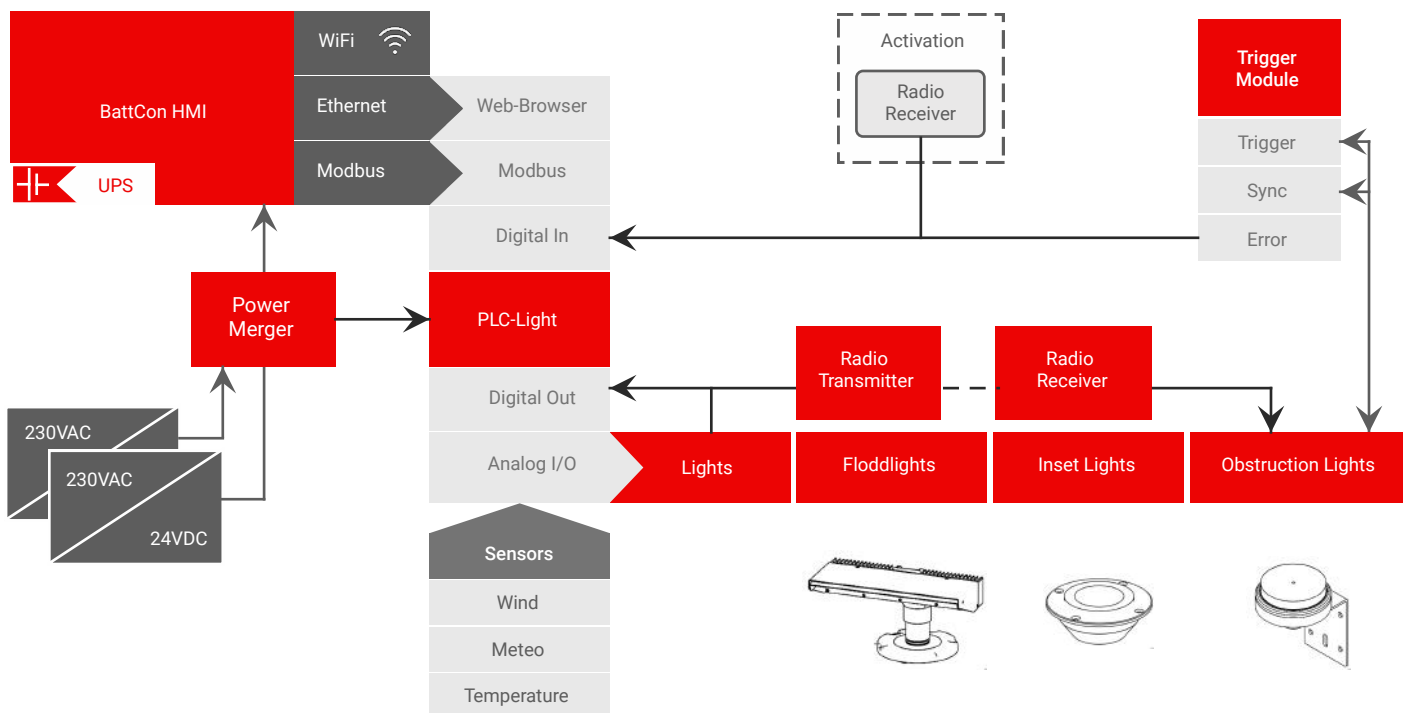



# Heliport Control

## BATTCon Control System

The BATTCon Heliport Control System consists of various components designed and produced in Germany. The combination of various BATT products simplifies the operation of the landing platform and associated systems. The integration of sensors allows a variable level of automation of the landing platform.

Via the TFT touchscreen or a web application, the HMI enables easily the landing platform operator the overall control at any time on-site or remotely. Therefore, the Control System provides an optimal solution for the control of single or multiple helipads and increases the safety of helicopter operations in the vicinity of the landing site.



 = BATT Suisse product



# Heliport Control

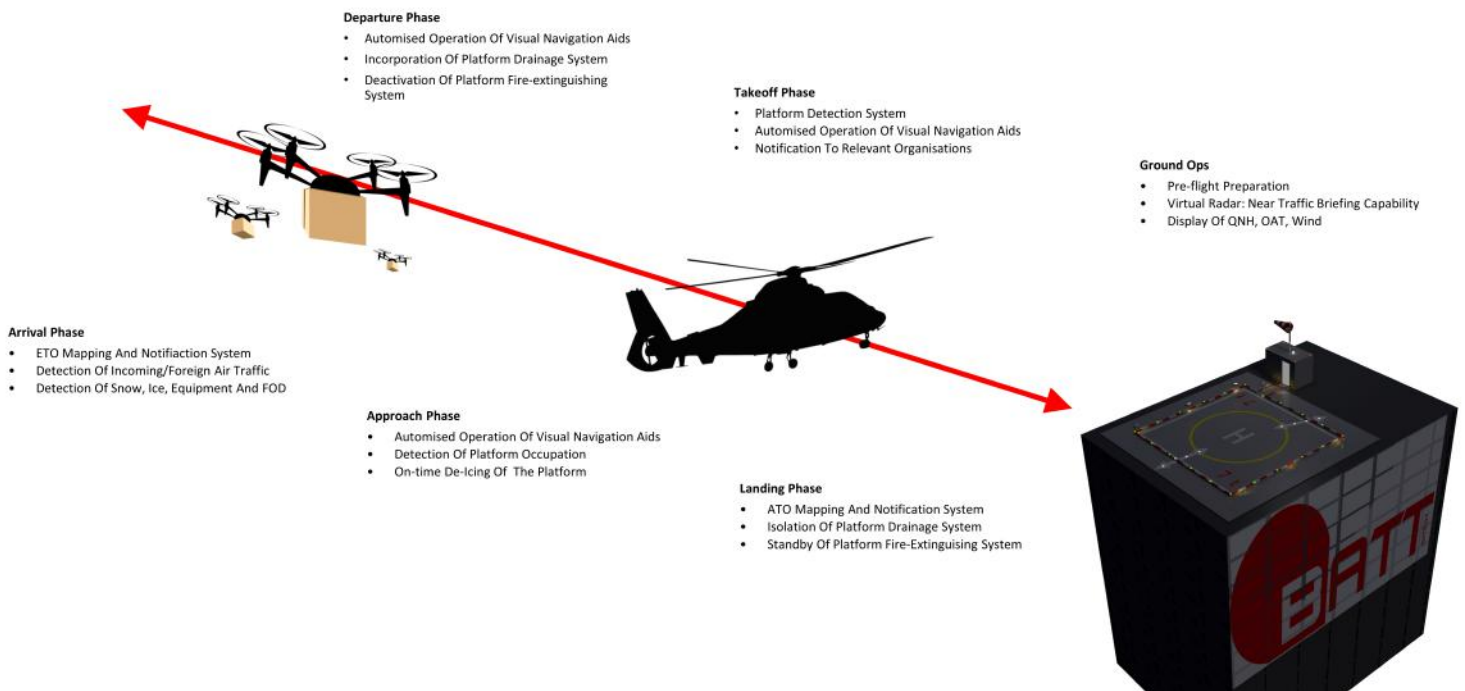
## Virtual Radar - Collaborative Decision Making

Helicopter operation plays a vital role in time-critical medical transportation. Independent if the flight operation takes place during day or night the workload of the flight crew is at a high level. Any delay caused during the approach, by the landing platform, associated systems or unawareness of the incoming patient/probe/organ by the medical personnel may lead to a life-threatening situation. BATT Suisse anticipates this potential risk by providing a landing platform based collaborative decision-making system. It aims, for example, to mitigate landing platform and associated system caused delays and simplifies ground as well as platform near flight operations.

The platform based collaborative decision making system utilizes different sensors to detect relevant conditions and incoming air traffic enabling an automatic operation the landing platform and associated systems, for example:

- Visual navigation aids
- Water drainage
- Platform de-icing
- Fire destinguishing

Additionally, notification of medical personnel of inbouding patients priorly ensuring a timely preparation of the necessary infrastructure.

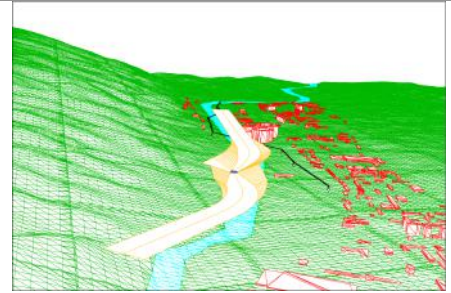
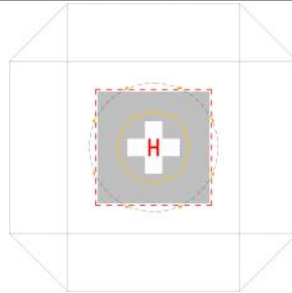


# Design Services

With profound experience BATT Suisse provides specific and custom oriented system design services considering international-, regional and national regulatory frameworks which enables successful and compliant customer projects in the broad field of aviation, especially in helicopter and VTOL operations.

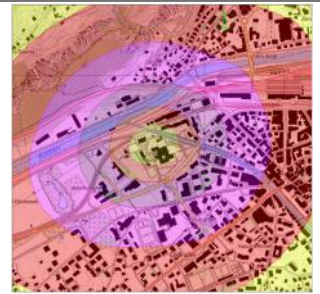
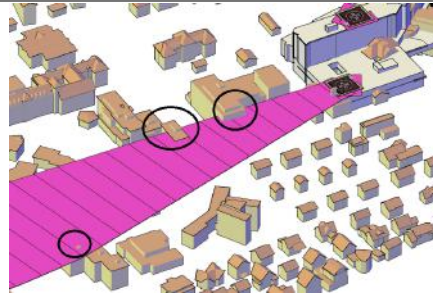
## Heliport & Aerodromes

Flight Path  
Maneuvering Area  
Operational Specification  
Electrical Systems



## Feasibility & Site Evaluation

Site Surveys  
Obstacle Evaluations  
Feasibility Studies  
Noise Prediction



## Product & System

Mechanical Design  
Electrical Design  
Optical Design





