BECKER AVIONICS

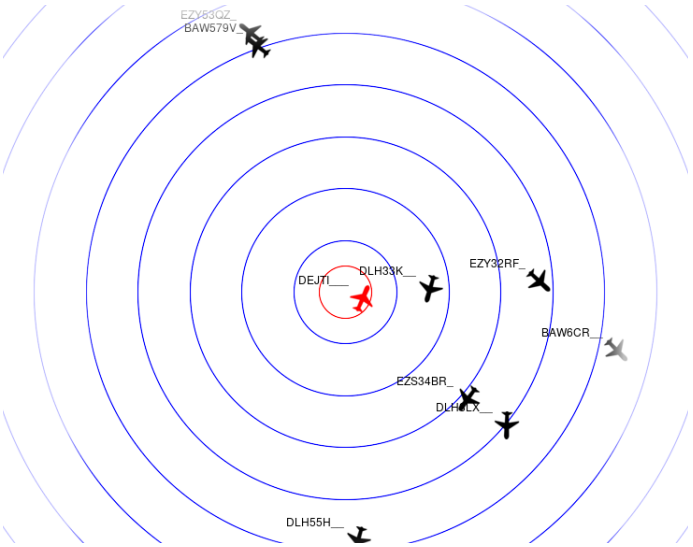
VPLS

Aircraft Detection Lighting Solution for Vertiports

Overview

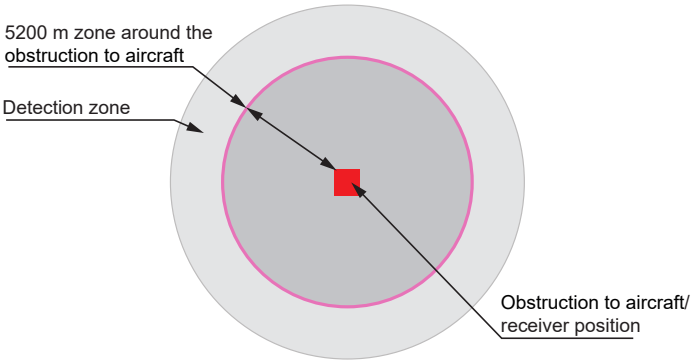
The Becker Avionics VPLS is the only transponder-based aircraft detection and notification solution that assists traffic management for Advanced Air Mobility (AAM) and Unmanned Aircraft System (UAS) aircraft and vertiports. The system activates when an aircraft is detected, making the VPLS an essential component to increase safety and efficiency of the vertiport.
The VPLS captures the aircraft's unique FLT IDs and can indicate appropriate landing pads, potential dangers, or other air traffic concerns. The information from the VPLS can easily be incorporated into the overall operating system, aiding in advanced analytics.

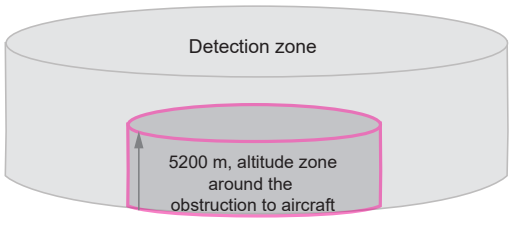
With minimal installation effort and the ability to safely configuration via a simple web interface, the VPLS is a necessary component of any vertiport.



Features

- Robust technology
- Small size
- Minimized installation effort
- Self-diagnosis
- Easy integration into new or existing systems
- Remote control and diagnostics via Ethernet
- Logging of detected aircrafts
- Secure configuration via web interface
- Configurable radius and height for the activation zone around the obstruction
- Record Flight Identification (FLT ID)
- 4G capable
- Reduce light pollution
- Saving energy





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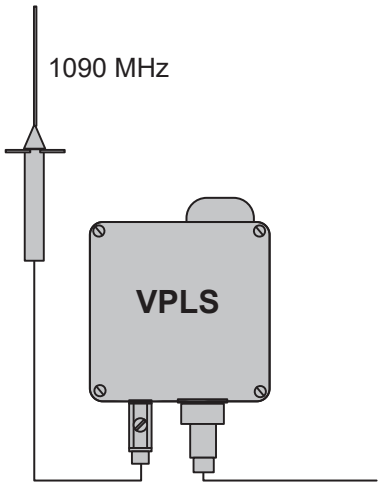
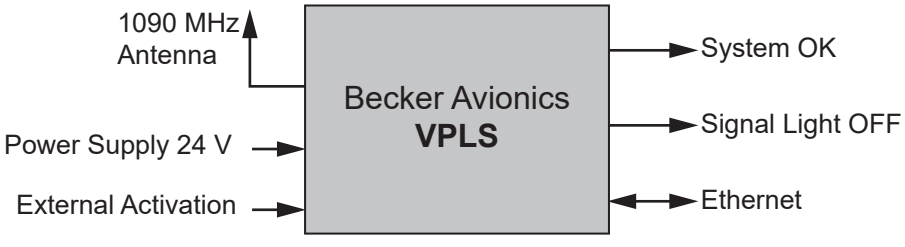
Technical Data

The Becker Avionics VPLS solution enables on-demand activation of vertiport lighting and ATM warnings.
Becker Avionics Certification: DIN EN ISO9100:2018 CERT Reg.-No. 12 210 20985 TMS.

VPLS	Specification
Receivable frames	Mode A/C Mode S (DF0, DF4, DF5, DF11, DF16, DF17, DF20, DF21)
Logging and diagnostic range	min. 30 days
Inputs	
Configuration and diagnostics interface	Ethernet / Web
External activation	Control input IEC 61131-2
Antenna 1090 MHz	Mode S, Mode A/C
Power supply	24 VDC
Outputs	
System OK	max 30 V, 100 mA
Signal Light OFF	max 30 V, 100 mA
Environmental conditions	
Operating temperature	-30...50 °C
Humidity	max. 95% non-condensing
Lightning protection	LPZ 2
Dimensions	
Housing	ca. 160 x 160 x 100 mm





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