EDITION 2026

AIRFIELD LIGHTING FOR AIRPORTS & AERODROMES

VISTA

Airport Lighting Systems

Precision lighting systems for aviation safety – lamps, guidance equipment, controllers and control & monitoring software.



ABOUT US

About EcoSolaris

EcoSolaris Dubai provides **supply, technical consulting and quotations for airports, heliports and contractors in the UAE and GCC**. Through EcoSolaris you have access to the complete VISTA system: lighting equipment, navigation and guidance systems, controllers and monitoring software.

Why VISTA?

VISTA systems are customizable and come with exceptional value through a carefully thought-out set of services that assist you at every step: **design, manufacturing, system setup, testing, validation, operation and maintenance**.

We ensure flexibility and full technical support for integrating the solutions, or even manufacturing lighting products according to customer requirements.

Small airports & aerodromes

A complete system of runway lights for small airports and aerodromes, for permanent or temporary runways: runway edge, threshold, end, approach and taxiway lights – low or medium intensity. Controllers for powering, controlling and checking the lights.

Guidance

APAPI and PAPI units, wind direction indicators, taxiway signs and runway guard lights.



Large airports

All types of taxiway signs – mandatory, indication, location – as well as arresting gear marking, distance markers and runway guard lights.

Quality & compliance

- Products with unique features that have proven their worth in some of the world's toughest conditions.
- Compliant with all **ICAO** and **FAA** standards and European directives.
- Manufactured in the EU and supplied with a **CE Declaration of Conformity**.

ICAO

FAA

CE

OVERVIEW

Key features

VISTA changes how power is delivered, not what pilots see.

Control modes

- Local (front panel controller)
- Console control
- PAL (pilot activated lighting)
- ALCMS
- Over the Internet

LED technology

- **No lamp changing** for the entire lifetime of the light unit
- **Low power**, long autonomy

Light output

- High Intensity
- Medium Intensity
- Low Intensity

Maintenance

- On-site
- Remotely

Failure reporting

- Circuit failure
- Open loop
- System failure



Dimmable

Light intensity can be set in 5 steps:

1% | 3% | 10% | 30% | 100%

POWER

The VISTA power supply system

VISTA uses a serial DC circuit and an expandable multi-circuit architecture, directly accessible from the controllers.

Circuit scalability

- Expandable multi-circuit architecture
- Adaptable to a wide range of applications
- Directly accessible from controllers

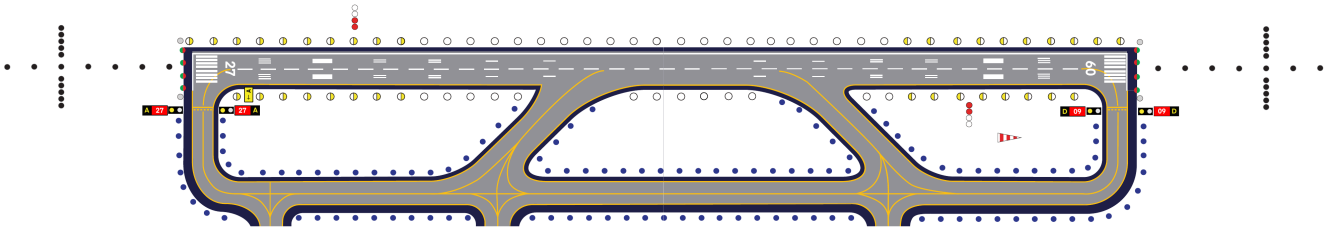
Serial DC circuit

- **No transformers** needed
- **No CCR** (constant current regulator) needed
- **1.4 A** constant DC current
- **<1000 V**
- Low-voltage cable

AIRPORT LIGHTING

The VISTA system on the airfield

Example of an airfield lighting layout built with VISTA products: approach, runway edge, threshold and end, taxiway lights, RTIL, runway guard lights, PAPI/APAPI, windcone and guidance signs.



Legend

- Taxiway
- Approach
- Runway Edge
- Threshold / Runway End
- RTIL
- Runway Guard Light
- PAPI / APAPI
- Windcone
- Direction
- Location and runway hold position

Low, Medium & High Intensity

The VISTA range covers Low, Medium and High Intensity versions.

PRODUCT RANGE

VISTA products

Lamps, guidance and signage equipment for a complete airfield lighting system.

Lamps



Approach



Runway Edge



Runway End



Threshold End



Threshold Wing-Bar



Taxiway

Guidance & signage



Runway Guard Light



PAPI / APAPI



Windcone



Direction sign



Location & Runway Hold Position



Runway Threshold Identification Light

COMMAND

Controllers



Airport Controller V4

The V4 Controller can have **as many independent circuits as needed**. Circuits can bear different outputs: **230 V AC, 48 V DC, 1.4 A**.

The front-panel touchscreen displays:

- name and layout of the system
- scenarios or directions of landing/takeoff (optional)
- brightness level
- circuit status
- ON/OFF toggle for individual circuits
- errors
- power, voltage and current (optional)



Console Controller V4*

The console communicates with the controller using the **RS485** protocol, so that the user can turn the power ON or OFF on different circuits, choose the brightness and check the lighting and guidance system parameters on the console display.

*optional for Controller V4



L-854 Air-to-Ground Radio Receiver*

The system is designed to operate on airports or heliports, allowing the pilot to control the airfield lights using their own radio communication, through the system controller.

*optional for Controllers V3 & V4



Over the Internet

It uses RS485 protocol communication. Whether accessed from a PC, tablet or smartphone, the user maintains full control over all circuits, including brightness levels and failure monitoring.

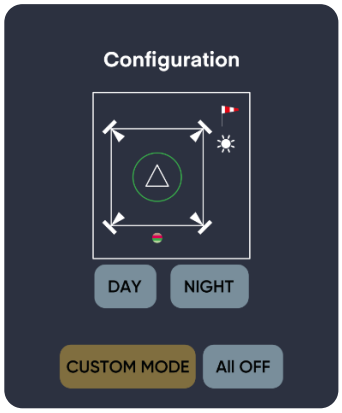
CONTROL & MONITORING

System control

Control over the Internet

The V4 Controller can optionally be connected and controlled over the Internet with any device – smartphone, laptop, tablet or computer. Control is made by accessing a dedicated web address; users see all their projects with the system status and control the scenarios.

Smartphone · Laptop · Tablet · Computer



Configuration screen

Airfield Lighting Control & Monitoring System (ALCMS)*

Remote control software using RS485 protocol communication. The software environment replicates the runway lighting and guidance system layout and configuration. The user is in complete control over circuits, brightness steps, failure reporting and more.

Circuit control · Brightness steps · Failure reporting · Day / night scenarios



*optional for Controllers V3 & V4

(touch screen option available)

Request a quotation

The EcoSolaris Dubai team provides technical consulting on configuring your VISTA system – lamps, guidance, controllers and control options – and prepares a complete quotation for projects in the UAE and GCC.

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VISTA

Airport lighting systems – supply, technical consulting and quotations by EcoSolaris Dubai.

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