

Airports

Airside and terminal control systems that keep an airport safe and open.



Airports run on tight margins, many of them around the clock. Airfield lighting, boarding bridges, fuel and utility systems must be there for every movement, safe for people and aircraft and secure against cyber attack. Upgrades have to happen without disrupting a live operation, under the eye of the Civil Aviation Authority.

YOUR PRIORITIES

What matters most

Keeping flights moving

Airfield and terminal systems that keep flights moving.

Airfield lighting you can trust

Ground lighting monitored and within requirements.

Working on a live airport

Upgrades planned around a live airport.

Cyber security

Control networks that support your NIS evidence.

STANDARDS

Standards we work to

CAP 168 Licensing of Aerodromes

CAA requirements for licensed aerodromes, including visual aids and ground lighting. Certificated airports follow the equivalent UK aerodrome rules.

IEC 61820 series

Design and installation of constant-current series circuits for aeronautical ground lighting.

BS EN 12312-4

Safety requirements for passenger boarding bridges, part of the aircraft ground support equipment series.

NIS Regulations 2018

Cyber security duties for airports designated as operators of essential services, with the CAA overseeing aviation.

IEC 62443

Security of industrial automation and control systems across their lifecycle, for asset owners, integrators and suppliers.

BS EN 60204-1

Electrical equipment of machines, such as boarding bridges and other airside plant.

HOW WE DELIVER



Systems we engineer

- Aeronautical ground lighting control
- Passenger boarding bridge controls
- Fuel farm and hydrant systems
- Power distribution and utilities SCADA
- Terminal building and infrastructure SCADA
- Drainage pumping and pollution control

Why Matrix

- **Standards first.**
- **You own the system.**
- **Tested before site.**
- **Multi-vendor.**
- **In it for the long term.**

ISO 9001 certified • Cyber Essentials • CHAS • Constructionline • SafeContractor

Talk to us about your project

enquiries@matrixsystems.co.uk • 0121 240 7454
www.matrixsystems.co.uk