total airport solutions ▶▶▶

systemsinterface

total turnkey solutions ▶▶▶

Systems Interface designs and delivers highly complex turnkey Air Traffic Control Systems to airports throughout the world. From initial customer requirement through design, civil works, equipment installation and commissioning, we will provide the expertise to deliver an approved operational system.

Turnkey projects

Systems Interface has the enviable reputation of being one of the world's leading ATM systems integrators – designing, supplying and installing Communication, Navigation and Surveillance (CNS) products manufactured by the world's leading companies.

We have a proven track record in managing complex turnkey ATC projects including safety case documentation, consultancy, installation and commissioning, project management, maintenance, support and training.

Our unique independence sets us apart from the field. This allows our experienced team of professionals, from our system designers to technical engineers and project managers, to deliver cost-effective and timely solutions for your project by choosing from the full range of ATC equipment available. This results in a system best suited to your ATM requirements and a project which is safely delivered on time and within budget.

tower of strength ▶▶▶

London Southend Airport VCR

Control towers

Our exceptional experience is used to its fullest extent in the supply and commissioning of the multiple systems required in the operation of a modern Air Traffic Control Tower, from customised consoles to the most complex equipment.

At Systems Interface we deliver fully bespoke Air Traffic Control Tower Systems utilising the latest technologies in voice and data communications switching and integrated control and monitoring systems, along with meteorological and flight data information display equipment.

Additionally, we supply and install Standby Power supplies, Voice and Data Recording, Master Clock Systems, Airfield Lighting Control/Mimic Panels, Meteorological Sensors and Displays, integrated Voice Communication Switches, Airport PABX and AFTN equipment.

The variety of systems is evident in our projects, which typically involve the supply, installation and integration of fully fitted ATC Consoles, VHF/UHF Radio Communications and Airport Remote Monitoring Systems.

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clear guidance and control ▶▶▶

Navigation aids

Systems Interface is one of the world's leading navigation aids integrators supplying, installing and commissioning navigation aids worldwide from leading manufacturers and meeting the most stringent ICAO requirements. These safety critical systems include CATI, II and III Instrument Landing Systems (ILS), Doppler VHF Omnidirectional Range systems (DVOR), Distance Measuring Equipment (DME) and Non-Directional Beacons (NDB).

Our engineers are among the most experienced in the world and our detailed product knowledge ensures a seamless transition from project inception through to final flight calibration.

We are agents for Nautel of Canada who, for over 35 years, have manufactured the world's most reliable Non-Directional Beacons, providing lowest cost of ownership and fully supporting them with the industry's best customer service.

With our specialist engineering and project management teams, a seamless transition from project inception to final flight check is ensured.

total communications ▶▶▶

Communication systems

Our experienced team at Systems Interface designs and installs complex voice and data communication systems solutions.

These include state-of-the-art Voice Communication and Control Systems (VCCS) for any size of ATM operation, from small stand-alone control towers to the largest networked ATM centres, customised to the precise needs of each ANSP; VHF ground-to-air communication systems from the world's leading manufacturers, offering dependable products; and UHF ground movement radio essential to any airport's ATC and ground handling capabilities.

We provide leading-edge integrated radio communications solutions which include base stations, mobile and handheld radios to support the operational needs of airports.

We also supply voice and data recorders emergency/back up communication systems; short and long range radio modems and wireless networks for remote monitoring of navigation aids and other systems.

reliable information ▶▶▶

Surveillance, Met and Information

Our wealth of expertise in the field enables us to offer specialised services that include the supply and installation of surveillance and meteorological systems.

We are experienced in the installation of the new generation of Air Traffic Management Surveillance systems; Multilateration (MLAT), Wide Area Multilateration (WAM) and Automatic Dependent Surveillance-Broadcast (ADS-B). These advanced systems provide enhanced air traffic services in all types of airspace and on the airport surface.

We also install and commission complex meteorological systems. These have ranged from the CAA 'first of type' approval for a CAT III IRVR system (now in service at two UK airports) to several automated weather observation systems (AWOS).

we offer the brightest ideas
for take-off and landing

ground control ▶▶▶

solar power ▶▶▶

Airfield ground lighting

At Systems Interface, our highly-skilled team of professionals has extensive installation experience of airfield ground lighting, ranging from substantial CAT III airfield configurations at international airports to the smaller installations such as Precision Approach Path Indicators (PAPI) for non-instrument runways.

Our wealth of experience enables us to provide expert advice to airports planning infrastructure upgrade projects – from system design (complemented where necessary by sophisticated computer modelling techniques) to equipment specification and installation through to equipment life-cycle support and maintenance.

Whatever your lighting requirements, we can provide a tailor-made system for your airport - a total package involving the design, supply and installation of the equipment, including full control panel and mimic display with back indications for all circuits.

Solar aviation lighting

Our Solar LED systems for civil and military applications achieve huge savings over conventional incandescent lighting products. Expensive cabling and trenching is no longer required, significantly reducing installation, running and maintenance costs. Self-contained with no electricity costs, they are maintenance-free, rugged and field-proven. Ranging from taxiway, approach and hold position lighting, to complete Helipad and Heliport TLOF and FATO lighting, obstruction lighting, illuminated windsocks, beacons and more.

As official Avlite Distributors, we are proud to offer this innovative and technology-leading solar-powered aviation and non-aviation lighting range, along with aviation lighting products from Aviation Renewables Inc.

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If you would like more information about how we can help you, please contact us today.

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