

# atg airports

The clear approach  
to airports





# Discover more options, achieve your goals

"The aviation industry is a vibrant one but with so many pressures, it has never been more important to partner strategically to innovate and help secure growth and sustainable footing."



# Commercial value you can measure

You can enhance and protect your project by partnering with our highly trained team. We help you to deliver safe airfield lighting projects, optimise costs, reduce delivery time, find the simplest solution, minimise environmental impact, as well as meet and maintain compliance standards.

No matter what, you're in safe hands.



## World-wide aftercare

Support does not end at the sale. Whether you work with us on a small project or major transition, we are always ready and willing to help you solve problems quickly, minimizing downtime to keep you moving.

# You're in safe hands with people who deliver on their promises

By drawing on our world-wide experience in high-profile AGL lighting projects, we can help you to overcome complex challenges and achieve programme targets.



## atg's global, expert team

- ▶ Directly employed specialists for a stable workforce
- ▶ Culture of risk free, incident free
- ▶ Training to the highest standards and procedures
- ▶ Knowledge transfer amongst worldwide team for best-practice
- ▶ Network of trusted specialists for an injection of niche knowledge if needed
- ▶ Continuous improvement at every opportunity



# Full suite of turnkey services:

Strategy, manufacture,  
design, supply,  
implementation and  
maintenance, all  
managed by one stable  
contractor



# Everything you need in airfield lighting

1

## Luminaires

Maintain total airfield uniformity with luminaires that automatically adjust the light output to compensate for the lifetime degradation of LEDs.

2

## Clearway signs

Reduce maintenance costs, energy consumption and the environmental impact of your airfield with LED technology.

3

## AGL Control System

Achieve the optimum system architecture that is suited to your specific airport with our modular solution that can be 'plugged together' in many combinations.

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## Constant Current Regulators

Maximise the efficiencies of luminaires installed on your airfield with Micro CCRs that provide a sinusoidal waveform output.

## Installation and maintenance

Ensure smooth, cost-effective projects with our robust planning, implementation, management, site supervision, installation and commissioning.



## Lighting

# Built on experience, designed for the future

You can improve lighting efficiencies, reduce consumption and costs, achieve uniformity and streamline maintenance with our comprehensive range of specialist airfield lighting.

### LED luminaires

- ▶ Guaranteed even light output regardless of the age of the fitting
- ▶ Dynamic Light Output maintains 100% of required light output at all times
- ▶ Ultra-low profile never before seen in the airfield industry
- ▶ Comprehensive range of airfield luminaires for airfields, onshore and offshore helipad lighting, wind beacons, and a wide range of obstruction lighting to mark high-risk areas and obstacles

### Pearl and Polaris

Regional airports, airstrips and military sites now have more options to benefit from LED lighting. PEARL, a medium intensity LED lighting system, is specially designed for visual approach aerodromes. POLARIS offers the flexibility of portable LED lighting to help you meet the needs of your airfield fully.





- ▶ 75,000+ hours life expectancy on Clearway LED signs
- ▶ Multi-redundant LED configuration to maintain compliance



## Signs

# Clear guidance

Equip your people and pilots to navigate aircraft through even the most complex network of taxiways. Our signs use cutting edge LED technology to improve luminance and ease of reading. At the same time, they significantly reduce energy costs consumption and maintenance costs to lower your financial and environmental impact.

You can rest assured our signs help you to meet the exacting standards:

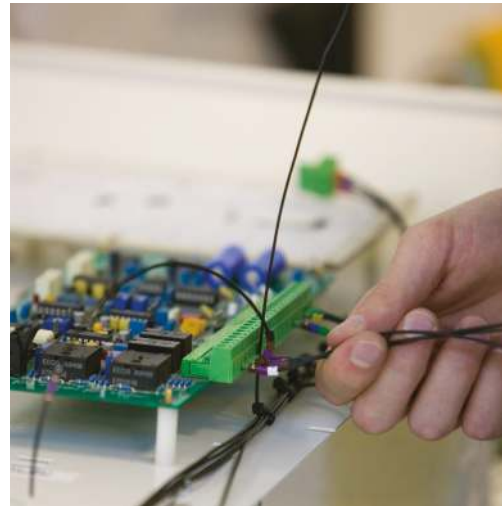
- ▶ Withstand the harshest weather conditions
- ▶ Maintain IP55 rating
- ▶ Lightweight, interlocking panels for strength
- ▶ Anti-corrosion framework
- ▶ 4mm polycarbonate fascia



## LED benefits on non-LED signs

Extend the life of existing Clearway signs using our retrofit kit. The kit is fitted to Clearway signs of any size that use either tungsten halogen, fluorescent or cold cathode technology.

Once converted, the sign will achieve the same efficiency benefits of LED signs.



## Power Supply

# Realise the full benefits of your equipment

The benefits of even the best infrastructure equipment are wasted if the power supply isn't consistent. Our Micro range of Constant Current Regulators (CCRs) is recognised as one of the most advanced products on the market. Our CCRs reduce the associated risks and overheads in maintenance and monitoring. All the while, giving you more flexibility to work in the way you want to, today and tomorrow.



## The most efficient and effective power supply for AGL circuits

### Improved monitoring: Micro 100 CCR

You can view a huge range of data without the need of a laptop or other device. Work efficiently and see everything you need to monitor, thanks to the front mounted display of our micro-processor controlled regulator.

### Enhanced compatibility on legacy circuits: Micro 200 CCR

The high reaction speed of this CCR make it possible to cope with circuits that include both LED electronics and legacy tungsten halogen fittings. The solution provides a sinusoidal wave form power source to a lighting series circuit at various intensity levels and is specifically designed for much broader compatibility.

### Easier maintenance: Additional power regulation solutions

- ▶ Switch power to multiple series lighting circuits with our Multiway Circuit Selectors
- ▶ Provide a single point to connect external circuits to the source supply using our Cable Termination Panels
- ▶ Safely disconnect, isolate and earth the series circuit simply with our series circuit cut-out switch



Easy integration with third party equipment

## Control Systems

# Realise the full benefits of your equipment

Achieve reliable communications across your entire airfield lighting system. From a single runway to the complex multi-runway operations of a major airport, our control systems grow and develop alongside your needs. Our SmartControl system and Sonnis platform are an essential part of your Surface Movement Guidance Control System (SMGCS).

### Adaptable with enhanced safety: SmartControl

Your team will be able to handle and manage more data, giving them the most robust control and insight. No matter how your requirements change over time, SmartControl is adaptable. Modular standard elements can be 'plugged together' in various combinations to build a system that perfectly suits your needs. It incorporates surface movement radar and navigational equipment to monitor airfield traffic, maintaining movements during poor weather conditions. Our PC-based airfield lighting control system caters for all airports, from a simple CAT I system through to CAT III B A-SMGCS.

### Accessible and easy to use for on-site engineers: Sonnis

The Sonnis database is the platform for every Programmable Logic Controller (PLC) we produce. With industry standard interfaces, Sonnis can easily integrate with third party equipment, giving you the ability to meet the needs of your airfield fully.

### Full control and more streamlined maintenance: SmartMini

For smaller airports and airfields, your team can ensure full control and monitoring of ground lighting, including CCRs, generators and ancillary equipment. With the option to include a dedicated, self-contained control system, maintenance staff can manage up to 12 CCRs and all necessary communications equipment whilst on the move.

## Project management

# Streamline and protect your project from start to finish

With one reliable contractor at the helm of your project, you can have full peace of mind. We make sure everything comes to fruition as planned, on-budget and on time. Think of us as an extension of your team – one who knows what it takes to achieve your programme targets and is as committed to them as you are.

### Survey and design

Maximise your options and existing assets with designs, detailed surveys and methodologies to help you make an informed decision.

### Roll-out

Keep stakeholders on-side and stabilise your supply chain with the support of our expert team. We build shared stakeholder perspectives, so you can focus on making progress.

### Implementation

Achieve low-impact delivery on highly successful projects. We plan every single detail, then manage and co-ordinate to help you avoid costly pitfalls.

### Installation

Ensure impeccable delivery that's safe and on-plan, thanks to highly qualified engineers who minimise disruption at all costs.

### Training

Educate your people to operate new equipment compliantly, protecting both themselves and your investment.





## ATG Projects Philosophy

Engineer the job more cost effectively

Plug-in to your processes smoothly

Deliver highly responsive after-sales support

Cultivate continuous improvement

Achieve sympathetic project delivery that is not disruptive



Risk free, incident free

We help you to meet industry standards and are used to the varying regulations around the world

You can rest assured that we live up to both our own high standards, and those of the industry. Quality and safety is everyone's responsibility and we do not hesitate to be pre-emptive, proactive and accountable when it comes to protecting people and places.

## Quality Management

### Meeting your needs as they evolve

Continuous improvement is a way of life for us and protects our own competitive advantage as well as the one we deliver to you. A culture of feedback unlocks the value-added benefits of long-term relationships, allowing us to understand and meet your expectations. Quality procedures are embedded in our processes and we employ site-specific Quality Plans, collaboration with your quality managers, Quality Meetings, periodic audits and Close-out Meetings to ensure we meet your objectives fully.

## Health and Safety

### Excellent record of keeping people safe

Site-specific, pre-qualification audits ensure we are capable of delivering on your project before work starts. If we are, you can be certain we fully satisfy site requirements and take action where needed, communicating and promoting Health and Safety with an ethos of risk free, incident free. This forms just one part of our stringent risk management procedures, ensuring our team and other contractors are aware of hazards and control measures are in place to minimise risk. Through on-site workshops, inductions and effective toolbox talks, we keep your people, contractors and ourselves, safe.

## Environment and Sustainability

### Minimising your environmental footprint

You can be sure we will always select the right substances and materials, manage waste properly, prevent and control pollution and monitor our performance overall. We proactively identify opportunities to operate and develop a sustainable business at both project and management level. We recognize our responsibility to protect the environment and endeavour to minimise our impact as far as is safe, practicable and economical.



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