



**Advanced**  
LIGHTING TECHNOLOGIES

## SMART LIGHTING FOR SMART CITIES

WIRELESS LIGHTING CONTROL SOLUTIONS



# The Future of Lighting

The Internet has forever changed the way we live - we're constantly using connected devices in all facets of life, and lighting is no different. Utilising a wireless network, Advanced Lighting Technologies (ADLT) can provide a connected solution that allows you to remotely control and monitor area and street lighting in real-time.

LED technology already provides a myriad of benefits over traditional lighting solutions: LEDs consume far less energy than conventional lighting and are virtually maintenance

free. They also last a lot longer than existing fittings and light can be targeted exactly where it's required.

Implementing smart controls can dramatically reduce energy consumption and maintenance costs even further. Consider the benefits of reducing light levels during periods of inactivity, or increasing them during community events or emergencies. Instant reporting also means faults can be identified and actioned much quicker than in the past.

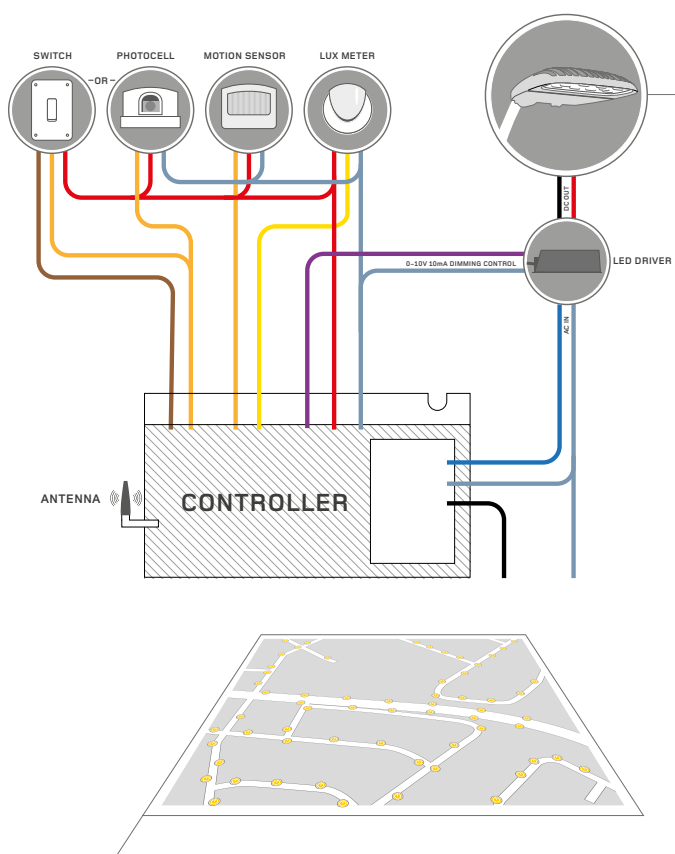
## An Advanced Solution

Advanced Lighting Technologies are proud to offer smart control systems from one of the world's leading providers, DimOnOff.

Considered a pioneer and innovator in wireless control and remote monitoring technology, DimOnOff's platform is a result of over 10 years of research aimed at creating the ultimate energy monitoring and management system.

Scalable yet flexible, the DimOnOff solution individualises control of luminaires and allows one-by-one wireless management of electrical loads. By simply adding DimOnOff relays to compatible light fittings, the system becomes a controllable network of light nodes and uses wireless communication (WIFI, 3G/4G) to remotely monitor and meter each fixture or circuit.

Controlled using a computer or mobile device, light fittings can be switched on or off and dimmed/brightened as required. Seasonal scheduling allows extra flexibility during quiet or busy time periods, and alarms can be sent automatically from individual faulty relays. A geographic overlay makes selecting the right luminaire simple.

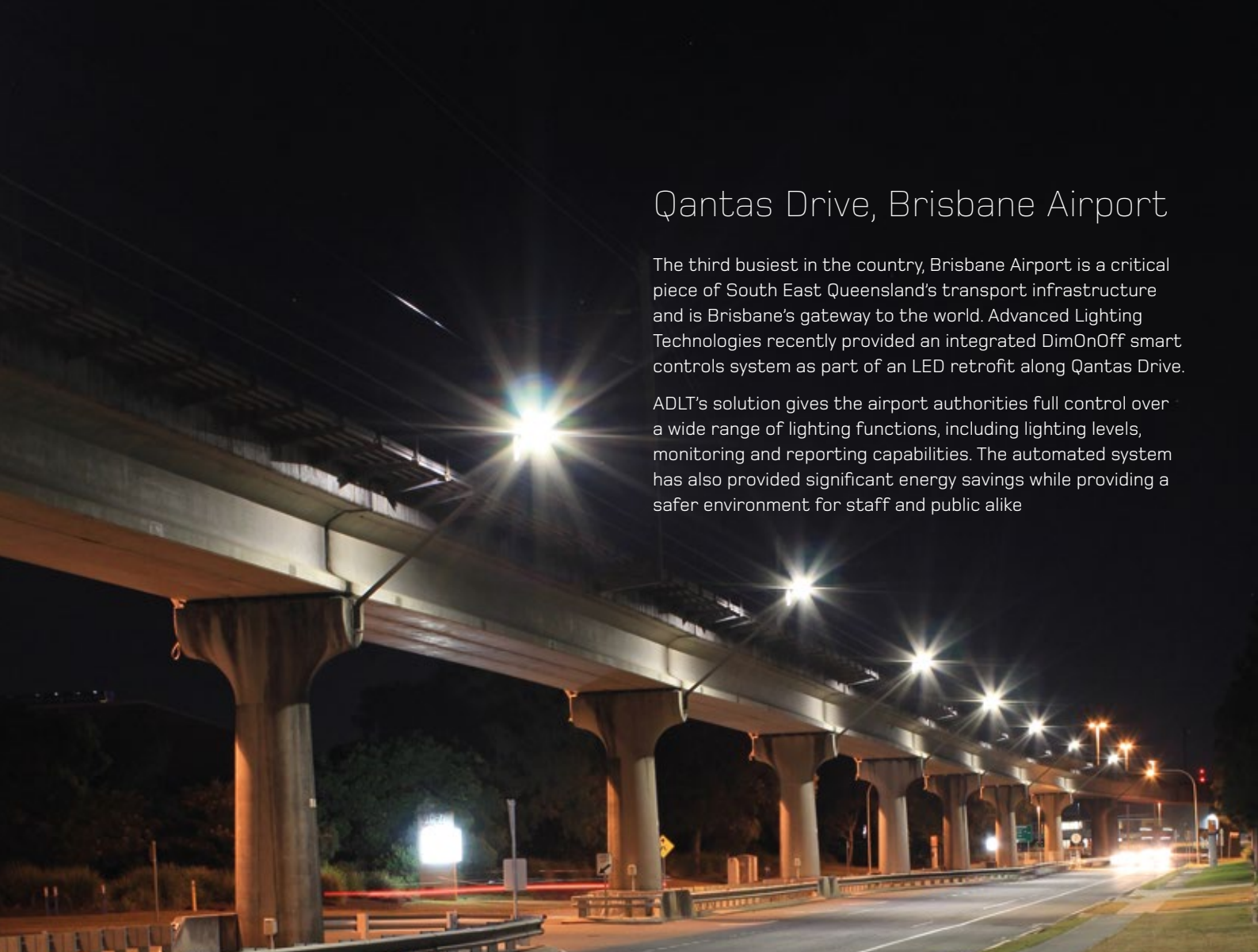


**DimOnff**<sup>®</sup>



the ultimate  
energy monitoring &  
management system





## Qantas Drive, Brisbane Airport

The third busiest in the country, Brisbane Airport is a critical piece of South East Queensland's transport infrastructure and is Brisbane's gateway to the world. Advanced Lighting Technologies recently provided an integrated DimOnOff smart controls system as part of an LED retrofit along Qantas Drive.

ADLT's solution gives the airport authorities full control over a wide range of lighting functions, including lighting levels, monitoring and reporting capabilities. The automated system has also provided significant energy savings while providing a safer environment for staff and public alike

## Westfield Hurstville

Westfield Hurstville is a large shopping centre located in Sydney's southern suburbs. As part of a car park lighting upgrade, Advanced Lighting Technologies supplied a smart control lighting solution featuring Cree luminaires and DimOnOff's system. Our in-house experts worked closely with the electrical contractors to provide a fully operational system that allows centre management to closely monitor their lighting assets while improving ambiance and safety for shoppers and diners.



## Future Projects

ADLT's smart lighting solution has been specified as part of the second stage of the Gold Coast Light Rail upgrade. Designed to deliver a world-class public transport system, the upgrade is currently under construction and is due to be finished in early 2018 ahead of the Commonwealth Games. Once complete, ADLT's lighting solution will involve over 200 fittings and provide GoldLinQ (the light rail system operators) with full remote monitoring and controlling capabilities.



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