

# Toll Group – Brisbane

## INDUSTRIAL SECTOR

PROJECT COMMENCED AUGUST 2012

NuGreen Solutions was engaged by Toll Group to audit a sample of properties across their portfolio and we were able to identify a retrofit solution to save emissions and energy costs. After surveying the properties, measuring the current lighting levels and analysing existing light fittings we installed a number of LED fittings at their Altona Warehouse to validate the technology. We have since completed a detailed lighting audit of 2 of their warehouses and have compiled a detailed report outlining the potential cost saving upgrading to LED technology as well as potential savings in refrigeration.



## THE SOLUTION

48	Fittings to be replaced
66%	Saving on current lighting spend
\$1.1M	Saving over 10 years
2,508	Tonnes of CO <sub>2</sub> saved over 10 years
10 YEAR	Maintenance free period



## THE BENEFITS

- Reduced electricity bills
- Reduced CO<sub>2</sub> emissions
- Zero maintenance costs for the next 10 years
- Improved lighting environment
- No capital outlay required
- Use of the latest technology
- Future proof around rising energy cost

LIGHTING COMPARISON	EXISTING	SOLUTION
FITTING TYPES	Fluoro's, Flood Lights, Downlights, High Bays	LED Panels & LED Downlights, LED High Bays
KW (PA)	429,000	145,000
ENERGY COST (PA)	\$62,000	\$23,000
MAINTENANCE COST (PA)	\$18,000	\$0