

Toll Group – Sydney

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. In May 2013 we commenced the rollout of over 800 fittings to their existing warehouse/ depot and offices in Eastern Creek, NSW as well as the design and specification of LED fittings for the new warehouse being built adjacent.



THE SOLUTION

888	Fittings to be replaced
61%	Saving on current lighting spend
\$2.2M	Saving over 10 years
4,821	Tonnes of CO ₂ saved over 10 years
10 YEAR	Maintenance free period



THE BENEFITS

- Reduced electricity bills
- Reduced CO₂ 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	887,000	346,000
ENERGY COST (PA)	\$146,000	\$57,000
MAINTENANCE COST (PA)	\$28,000	\$0