

# Hobart City Council

LOCAL GOVERNMENT SECTOR

PROJECT COMMENCED AUGUST 2012

NuGreen Solutions was engaged by Hobart City Council to audit a range of their assets including council office buildings and a number of their car parks. NuGreen identified retrofit solutions which would save on energy costs and emissions. After surveying the property, measuring the current lighting levels and analysing existing light fittings we were able to compile a detailed report outlining the potential cost saving upgrading to LED technology. To validate this technology we commenced with a pilot program in the councils head office building and associated car parking.

## THE SOLUTION\*

|                |                                               |
|----------------|-----------------------------------------------|
| <b>1,987</b>   | Fittings to be replaced                       |
| <b>56%</b>     | Saving on current lighting spend              |
| <b>\$1.65M</b> | Saving over 10 years                          |
| <b>2,880</b>   | Tonnes of CO <sub>2</sub> saved over 10 years |
| <b>9 YEAR</b>  | Maintenance free period                       |



16 ELIZABETH STREET  
HOBART

## THE BENEFITS

- Reduced electricity bills
- Reduced CO<sub>2</sub> emissions
- Zero maintenance costs for the next 9 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 T5 & T8   | LED Panels |
| KW                    | 135,431          | 76,522     |
| ENERGY COST (PA)      | \$121,345        | \$66,979   |
| MAINTENANCE COST (PA) | \$15 per fitting | \$0        |