

NuGreen Solutions

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**GREENER
GOVERNMENT
BUILDINGS**

Organisational Overview

NuGreen is a privately-owned company with a strong track-record of providing clients with turnkey solutions delivering significant cost savings and carbon reduction. Plenary Group is the majority shareholder of NuGreen Solutions. Plenary Group is a world leading developer and manager of public infrastructure in Australia and North America across diverse government sectors.

Company Details

Company Name NuGreen Pty Ltd
ABN 32 154 131 558
Primary Address in Victorian Government Level 43, Rialto South Tower,
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Key Contact 1

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Financial Details

Minimum Contract Size \$15,000
Maximum Contract Size Dependant on type of works– NuGreen would consider all projects and evaluate based on current works in progress as to capacity to deliver.
Public Liability Insurance 20 Million
Professional Indemnity Insurance 10 Million

Accreditations

Clean Energy Council, NECA

Core Competencies

LED Lighting upgrades, Solar PV System supply and installation, Power quality technologies implementation, HVAC and controls

Service Limitations

NuGreen Solutions are not constrained by any service limitations or project size, but generally don't carry out any civil upgrades. However, we have established relationships with specialist partner companies, who are able to carry out civil works.

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Previous & Current EPC Experience

Customer	Intrasia Oxley RE	Description
Project Cost	\$1,180,491.00	<p>1. <u>In total 1,532 fittings lightning upgrades-</u> A variety of existing lighting types (1,532 fittings) including LV halogen, T8, flood lights, Downlights, Wall washers, external wall lights, carpark, lobbies, office, toilets, common areas, services areas including plant rooms. We also included sensors and controls to better manage and control the lighting.</p> <p>2. <u>Replacement of chillers-</u> Removal of 3 old chillers and the installation of 2 x powerpax chillers revised controls and VSD for some pumps and VSD on AHU's and program the existing controls system to operate the VSD's.</p> <p>3. <u>Reconfiguration of BMS-</u> Upgrade to BMS and full tuning and commissioning of all HVACX services. In a vacant tenancy, the area is proposed to be a food based business and the building owner is undertaking a separation of part of the HVAC system to accommodate the new tenant.</p>
Annual Savings	\$ 225,459.00	
Payback Period (yrs)	3.5	
Date Completed	December,2015	

Customer	Toll Group	Description																																																																						
Project Cost	\$ 2,017,000.00	<p>1. <u>Lightning upgrades-</u> NuGreen have provided energy efficient retro-fit lighting upgrade and control strategy solutions for the below Toll Group warehouses. The Toll Perth project also included a new 20,000 sq meter greenfield build for an extension to the existing warehouse.</p> <table border="1"> <thead> <tr> <th>Facility</th> <th>Project Type</th> <th>Year Upgraded /Designed</th> <th>Value (\$000)</th> <th>Savings \$ (10yr) \$000</th> <th>Payback (yrs)</th> <th>Energy Saving %</th> </tr> </thead> <tbody> <tr> <td>Eastern Creek</td> <td>LED + Controls</td> <td>2013</td> <td>\$433</td> <td>\$2,200</td> <td>2.4</td> <td>65</td> </tr> <tr> <td>Mackay</td> <td>LED + Controls</td> <td>2014</td> <td>\$122</td> <td>\$530</td> <td>3.3</td> <td>66</td> </tr> <tr> <td>Gladstone</td> <td>LED</td> <td>2014</td> <td>\$26</td> <td>\$80</td> <td>3.9</td> <td>70</td> </tr> <tr> <td>Bundaberg</td> <td>LED + Controls</td> <td>2014</td> <td>\$50</td> <td>\$138</td> <td>3.9</td> <td>70</td> </tr> <tr> <td>Richlands</td> <td>LED + Controls</td> <td>2013</td> <td>\$400</td> <td>\$1,100</td> <td>2.5</td> <td>66</td> </tr> <tr> <td>Regency Park</td> <td>LED + Controls</td> <td>2014</td> <td>\$186</td> <td>\$1,300</td> <td>2.7</td> <td>70</td> </tr> <tr> <td>Perth Airport</td> <td>LED + Controls</td> <td>2015</td> <td>\$700</td> <td>\$4,800</td> <td>1.9</td> <td>76</td> </tr> <tr> <td>Tasmania (Melbourne)</td> <td>LED</td> <td>2015</td> <td>\$100</td> <td>\$500</td> <td>2.9</td> <td>70</td> </tr> <tr> <td>Totals</td> <td></td> <td></td> <td>\$2,017</td> <td>\$10,648</td> <td>2.9</td> <td>69.1</td> </tr> </tbody> </table>	Facility	Project Type	Year Upgraded /Designed	Value (\$000)	Savings \$ (10yr) \$000	Payback (yrs)	Energy Saving %	Eastern Creek	LED + Controls	2013	\$433	\$2,200	2.4	65	Mackay	LED + Controls	2014	\$122	\$530	3.3	66	Gladstone	LED	2014	\$26	\$80	3.9	70	Bundaberg	LED + Controls	2014	\$50	\$138	3.9	70	Richlands	LED + Controls	2013	\$400	\$1,100	2.5	66	Regency Park	LED + Controls	2014	\$186	\$1,300	2.7	70	Perth Airport	LED + Controls	2015	\$700	\$4,800	1.9	76	Tasmania (Melbourne)	LED	2015	\$100	\$500	2.9	70	Totals			\$2,017	\$10,648	2.9	69.1
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Customer	MayFlower	Description
Project Cost	\$574,074.00	<p>1. <u>Stage 1 Lighting upgrades-</u> A variety of existing lighting types (1,117 fittings) were upgraded. We also included sensors and controls to better manage and control lighting.</p> <p>2. <u>100kW Solar PV System</u> A 100kW Solar PV System was designed, supplied and installed by NuGreen solutions to achieve 134 mWh energy savings per year.</p> <p>3. <u>Stage 2 Lighting upgrades-</u> A variety of existing lighting types (581 fittings) were upgraded. We also included sensors and controls to better manage and control lighting.</p>
Annual Savings	\$117,458.00	
Payback Period (yrs)	3.49	
Date Completed	March 2017	

Referees

Braith Williams	Title: Executive Director Organisation: Argus Property Partners (Intrasia Oxley RE) Relationship: Client Phone: +61 412 975 523 E-mail: bwilliams@arguspartners.com.au
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