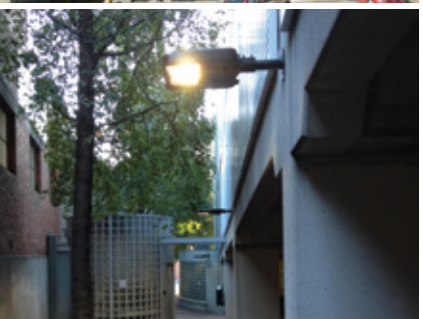
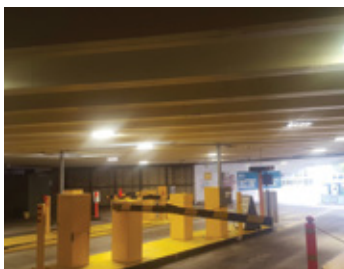


Hobart City Council Off Street Parking

LIGHTING UPGRADE

NuGreen completed the upgrade of lighting in three multi-storey car parks in Hobart for the Hobart City Council to provide a sustainable economic and environmental outcome. NuGreen provided the council with lighting designs for each car park then managed the project from inception to completion ensuring that the clients expectations and objectives were fulfilled.

**TOTAL PREDICTED SAVINGS OVER 10 YEAR
MAINTENANCE & WARRANTY PERIOD \$771,004**



CENTREPOINT CAR PARK, LED LIGHTING SOLUTION

A combination of sensor and permanently on LED Luminaires installed to suit parking and traffic flow. The old fittings that were upgraded were mounted to the ceiling so NuGreen's solution to improve light levels was to install LED lights with a photometric pattern to suit concrete beam structure as well as suspending the fittings by metal rod.



SALAMANCA CAR PARK

Total Fittings Upgraded 157

Predicted Energy Saving 56%

Total Predicted Savings Over
10 Year Warranty Period
\$163,056.00

LIGHTING COMPARISON	EXISTING	SOLUTION
FITTING TYPES	Twin Batten Fluorescents, Metal Halide Flood	LED Fittings with inbuilt sensors, LED Emergencies, LED Floods
KWH (PA)	93,176	41,201
ENERGY COST PER ANNUM (1ST YEAR)	\$9,318	\$2,884
MAINTENANCE COST	\$2,355	\$-

CENTREPOINT CAR PARK

Total Fittings Upgraded 330

Predicted Energy Saving 71%

Total Predicted Savings Over 10
Year Warranty Period \$279,461

LIGHTING COMPARISON	EXISTING	SOLUTION
FITTING TYPES	Twin Batten Fluorescents and Metal Halide Flood Lights	LED Fittings (some with inbuilt sensors), LED Emergencies, LED Floods
KWH (PA)	143,131	59,020
ENERGY COST PER ANNUM (1ST YEAR)	\$14,313	\$4,131
MAINTENANCE COST	\$5,535	\$-

CENTRAL CAR PARK

Total Fittings Upgraded 393

Predicted Energy Saving 65%

Total Predicted Savings Over 10
Year Warranty Period \$328,487

LIGHTING COMPARISON	EXISTING	SOLUTION
FITTING TYPES	Twin Batten Fluorescents and Metal Halide Flood Lights	LED Fittings (some with inbuilt sensors), LED Floods
KWH (PA)	172,375	61,003
ENERGY COST PER ANNUM (1ST YEAR)	\$17,238	\$6,100
MAINTENANCE COST	\$7,980	\$-