

# Crown Engineering

## Richlands, Queensland

### INDUSTRIAL SECTOR

PROJECT COMPLETED SEPTEMBER 2014

After thoroughly investigating and researching LED Technology, Crown Engineering engaged NuGreen to provide a solution that would deliver long term savings, a maintenance free upgrade, coupled with improved light levels across the manufacturing facility located in Richlands QLD.

The upgrade would require a design that would look to optimise the wattage of the new LED solution and achieve lux levels greater than 300 Lux in the manufacturing workshops. NuGreen were able to redesign the current Workshop lighting where inefficient 460W Metal Halide lighting were replaced with 185W LED High Bays – fit for purpose to ensure compliance with Australian Standards lux levels.

In addition the External FloodLighting on the complex was upgraded, to enhance staff security during night shifts.

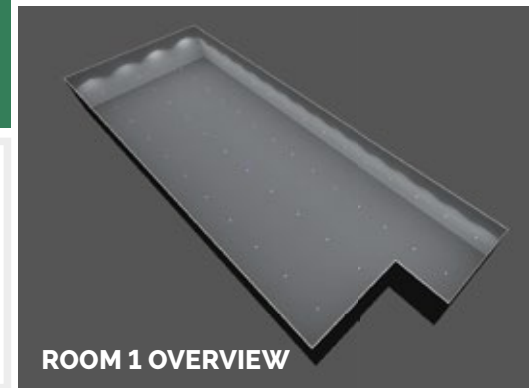
## KEY METRICS OF PROGRAM

Number of Fittings	139
Annual Energy Savings	60%
Annual Energy Savings	\$40,787.60
10 Year Energy Savings	\$650,049.36
Payback (in years)	2.29

*We were looking to achieve better and brighter lighting in our Workshops to improve our staff's productivity and we wanted our Energy and Maintenance Bills to reduce at the same time. Dwane our Electrical Maintenance Officer had researched upgrading to LED High Bays for over 18 months but couldn't find a solution that would tick all of the boxes until he trialled the NuGreen LED High Bay. With our new LED's lifespan 12.5 times longer than our current High Bays, Dwane won't have to change the globes for over 22 years.*

— IAN SUCHTING —  
DIRECTOR  
CROWN ENGINEERING

CROWNENGINEERING GEARED FOR PRECISION™



ROOM 1 OVERVIEW