

## Case Study

# NSW Department of Environment and Conservation



### NSW Department Walks the Talk

#### Project Description:

The New South Wales Government is committed to reducing Greenhouse Gas and reducing energy consumption. To this end the NSW Premier issued a Memorandum in 2004 which committed NSW government agencies to achieve or exceed Australian Building Greenhouse Rating (ABGR) star ratings in occupied premises.

The Department of Environment and Conservation engaged Insight Projects to design and manage the office fit out. Part of that brief was to maximise the energy efficiency of an old building in Dubbo which the Department had leased. Consideration was given to converting the lighting to energy efficient T5 luminaires but this was rejected as being uneconomical

Faced with the challenge of an old and energy inefficient building and the need to present economically viable solutions, Insight approached Ilum-a-Lite to specify lighting upgrades.

The Save-it-Easy in-line T5 upgrade was specified which allowed all the old T8 fluorescent luminaires to be upgraded to highly efficient T5 operation with 33% energy saving and consequential reductions in Greenhouse Gas. Most importantly the solution required no replacement of light fittings, no re-wiring of existing fittings and could be completed with minimal delay and disruption. The solution was as simple as re-lamping the old fittings.

From initial specification to completion of the upgrade took less than 3 weeks. The tenancy now has all the advantages of energy saving, long life T5 fluorescent tubes with added savings in maintenance cycles; but most importantly it has allowed the Department of Environment and Conservation to show leadership within NSW Government agencies by improving the Greenhouse performance in a new tenancy which, under the Premier's guidelines, they were not obliged to do.

#### Summary of Results:

Approximate Annual savings	\$3,300
Approximate Investment	\$11,000 Including T5 lamps
Approximate Payback	36 months
Greenhouse gas savings per year	18 tonnes CO <sup>2</sup> equivalent

**Further Information:** Contact Ilum-a-Lite 1800 133 666 [www.ilumalite.com](http://www.ilumalite.com) or [www.saveiteasy.com.au](http://www.saveiteasy.com.au)  
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