

Case Study

Commercial Lighting.

Geofabrics.

Geofabrics Australasia has been a provider of geotextiles and geosynthetic products to engineering projects since 1978. Its textile factory in Albury NSW has been undergoing a number of efficiency changes in recent times to reduce costs in the face of rising energy prices.

The Project.

Geofabrics removed over 160 400 watt high bay lights, replacing them with 129 highly efficient Somar Eluma lights distributed by local company Remtron. The sophisticated Somar lighting system is based on a T5 fluorescent tube in a reflective housing (luminaire) and uses only half the energy of the original lights while producing more light. Inbuilt light sensors detect ambient light levels and vary light output appropriately. Movement sensors turn the lights on and off automatically when the area is in use. The increased light output of the Somar system means that the number of light fittings has been reduced, delivering massive energy savings.

Key Benefits.

- Reduced the number of high bays from over 160 down to 129
- Removed twin fluorescent luminaries
- Replaced High Bays with Somar Eluma lights
- Installed occupancy sensors, push button timers and time switches
- The new lighting system is projected to save Geofabrics around 400MWh every year.



Highlights.



Rebate Value
\$75,000



Payback period
< 1 year



Electricity savings
400MWh