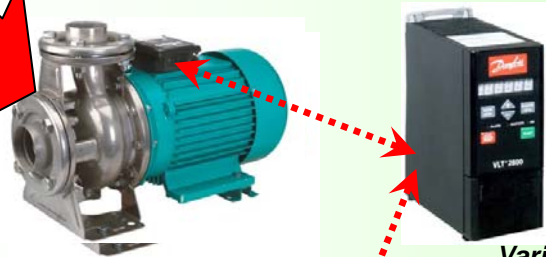


Chilled Water / Condenser Water Optimisation



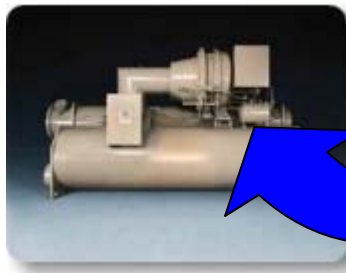
Condenser Water System



Variable Speed Drive

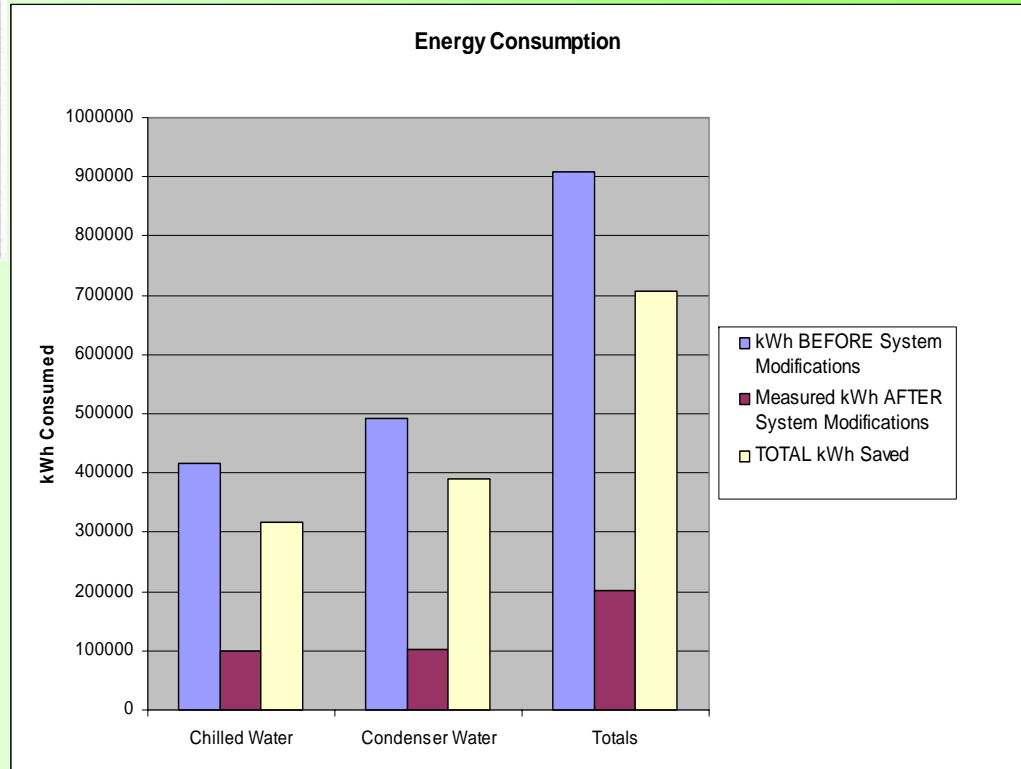


Chilled Water System



Air Conditioning Systems

System continuously varies the pump outputs to match the actual cooling demand by employing an innovative chilled water pump control developed by George Floth Pty Ltd



✓ Total Energy Saving = **706,336 kWh / year**

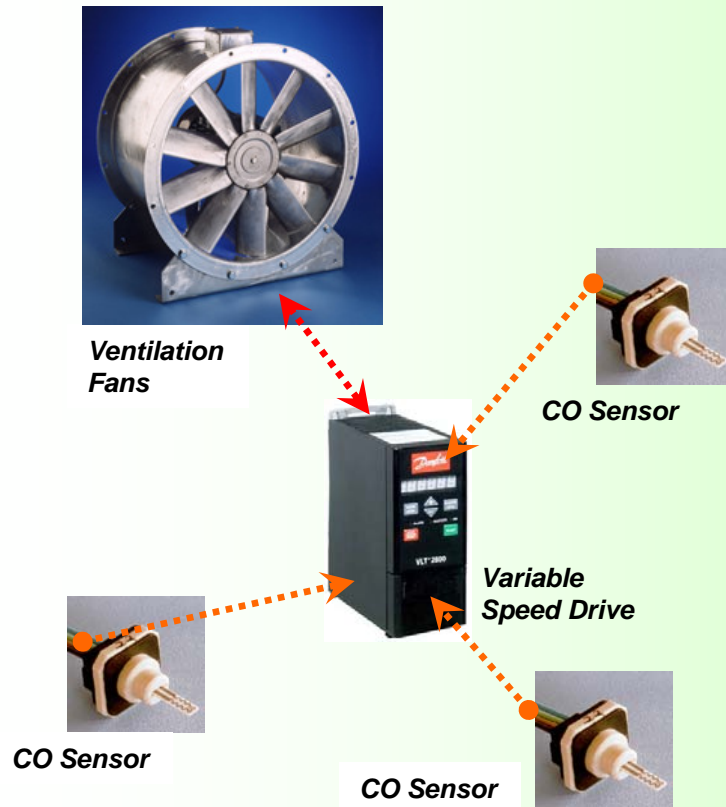
✓ Total Cost Saving = **\$ 49,444 / year**

✓ Total CO₂ Reduction = **720,463 kg / year**



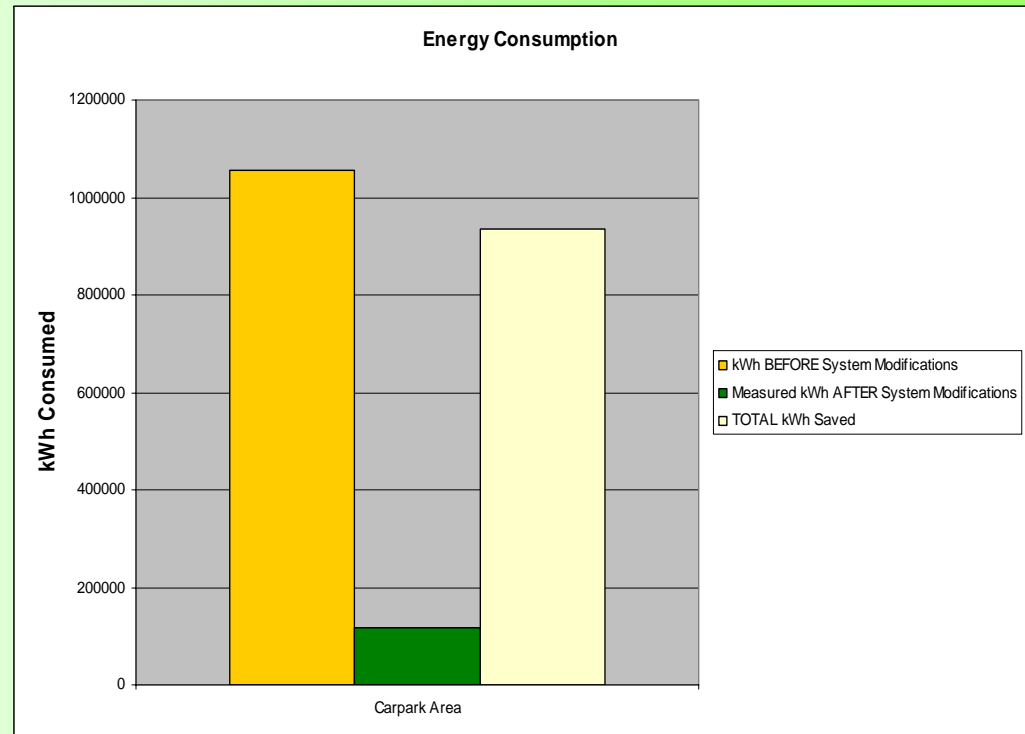


Carpark Ventilation Optimisation



Carpark Supply & Exhaust System

Continuous Carbon Monoxide (CO) gas monitoring of the carpark area together with modulation of the carpark exhaust and supply fans to suit the actual CO levels significantly reduces the energy consumption



✓ Total Energy Saving
= **935,883 kWh / year**

✓ Total Cost Saving
= **\$66,822 / year**

✓ Total CO₂ Reduction
= **954,601 kg / year**



Chilled Water / Condenser Water & Carpark Ventilation System

Optimisation

Summary of Savings...

■ Chilled Water Condenser Water



- ✓ Total Energy Saving
= **706,336 kWh / year**
- ✓ Total Cost Saving
= **\$ 49,444 / year**
- ✓ Total CO₂ Reduction
= **720,463 kg / year**

✓ **Simple PAYBACK = 1.4 years**

■ Carpark Ventilation



- ✓ Total Energy Saving
= **935,883 kWh / year**
- ✓ Total Cost Saving
= **\$66,822 / year**
- ✓ Total CO₂ Reduction
= **954,601 kg / year**

✓ **Simple PAYBACK = 1.9 years**