facilityTRACKER
energy management system

Case Study: Bendigo Marketplace, VIC

01 Project Summary

As a byproduct of the recent Asset Efficiency upgrade Skyspark Analytics software was installed in conjunction with the installation of the new Building Management System. The software as well as monitoring all of the power consumption of the centre's services also monitors the operating points of the centre's Building Management System and automatically highlights any unusual activities.

$4.2K Per Annum

02 Project Details

Skyspark automatically detected a mismatch of the fan status and time schedule of the Air Handling Unit. From this, a 'spark' was generated which when investigated confirmed that the unit had been left in manual mode thus overriding time schedule.

See overleaf for a visual of the spark, which identified the out of hours operational error…

03 Project Outcomes

If this occurrence was not identified and acted upon, the additional energy consumption and operating cost over the course of the year could have been significant.
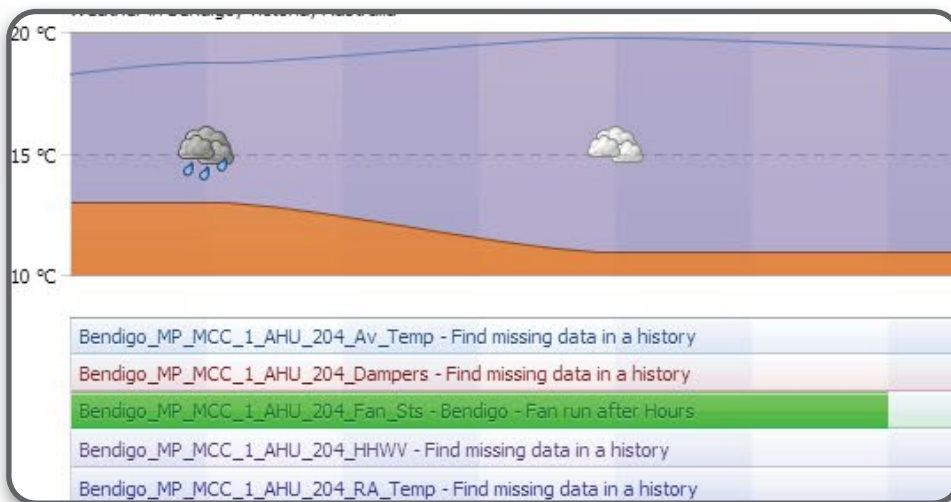
Over a month, the fan operating overnight would have consumed an additional **2000kWh's,** this additional consumption would have cost an extra **$367!**

Bendigo Marketplace

> " *Factility Tracker has provided the means to achieve significant environmental savings, error recurrence can now be eliminated indefinitely* "
> - Peter MacPherson, National Account Manager

-62t.
Reduced CO2 emissions

Weather in Bendigo, Victoria, Australia

Bendigo_MP_MCC_1_AHU_204_Av_Temp - Find missing data in a history
Bendigo_MP_MCC_1_AHU_204_Dampers - Find missing data in a history
Bendigo_MP_MCC_1_AHU_204_Fan_Sts - Bendigo - Fan run after Hours
Bendigo_MP_MCC_1_AHU_204_HHWV - Find missing data in a history
Bendigo_MP_MCC_1_AHU_204_RA_Temp - Find missing data in a history
Bendigo_MP_MCC_1_AHU_204_SA_Temp - Find missing data in a history
Bendigo_MP_MCC_1_AHU_204_Setpoint - Find missing data in a history

Bendigo_MP_MCC_1_AHU_204_Av_Temp   Bendigo_MP_MCC_1_AHU_204_RA_Temp   Bendigo_MP_MCC_1_AHU_204_SA_Temp   Bendigo_MP_MCC_1_AHU_204_Setpoint

Bendigo_MP_MCC_1_AHU_204_Dampers   Bendigo_MP_MCC_1_AHU_204_HHWV

Bendigo_MP_MCC_1_AHU_204_Cool1_SS

Bendigo_MP_MCC_1_AHU_204_Cool2_SS

Bendigo_MP_MCC_1_AHU_204_Fan_SS

Bendigo_MP_MCC_1_AHU_204_Fan_Sts

Spark denotes daily out of hours operational expenditure!

Bendigo Marketplace