

COOLNOMIX® saves over 22% on Air-Conditioning at Fitness First Mosman



Fitness First Mosman installed COOLNOMIX® AC-01 on the three packaged air-conditioning units serving the lower weights floor. The sites air-conditioning achieved immediate savings over 26%.

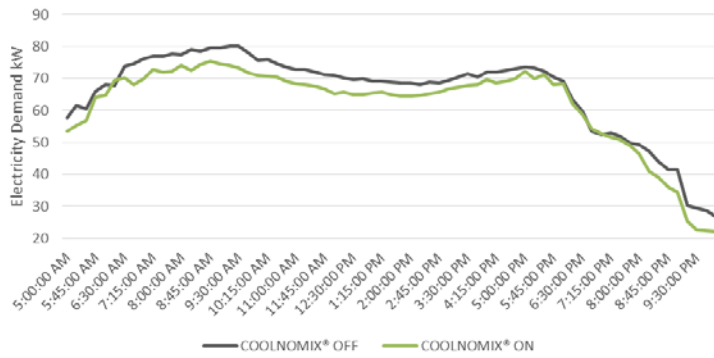


Site	Fitness First Platinum - Mosman 555 Military Road Mosman NSW 2088
Type	Gym
System Details	5 x Packaged AC systems (Cool only) 4 x Split AC systems (Cool only)
Control System Types	<ul style="list-style-type: none">• Regulator Australia ET45 / ET46 temperature controllers• Temperzone SAT-2 & WCS-201
Operation	<ul style="list-style-type: none">• 7 days per week, switched off overnight• Internal set point temperature 19°C
Case Study Details	Monitoring period: 11 th May 2015 to 24 th November 2015
Results	Whole facility saving in excess of 10.9% Air-Conditioning saving in excess of 22%



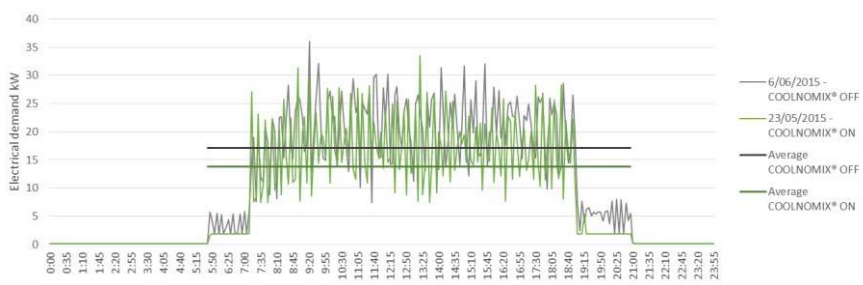
Fitness First COOLNOMIX® Case Study Results

COOLNOMIX® demonstrated air-conditioning savings of over 22% during the time periods compared. The periods were selected for their comparable ambient temperature profile and solar heat gain. The chart below shows the average load profile of the whole gym with COOLNOMIX® on and off.



Electrical Data Logging

The case study included the monitoring of detailed power consumption profiles of the compressor. The below demonstrates the variance experienced pre and post switching COOLNOMIX® on. COOLNOMIX® runs the compressor for less time, hence reducing the overall run time and power consumption whilst delivering the same amount of cooling.



Temperature Data Logging

The graph below shows the detailed temperature logging during sample days of the case study demonstrating a greater level of cooling was delivered with COOLNOMIX® on whilst achieving the energy savings, and a tighter temperature range was maintained, hence delivering greater comfort.

