



An Introduction to Building Tuner

Saving up to 30% on your power bills

The Building Tuner Management Program.

Achieve dramatic savings on your energy costs and consumption, immediately and ongoing.

Your business is likely to be:

- Paying too much for your power
- Paying for power you are not using
- Wasting power through incorrect operation of air conditioning
 - Using excess power in refrigeration and cool rooms
 - Using inefficient lighting

Building Tuner works on all these systems!



Lighting - Refrigeration - Packaged Air Conditioning - Heating - Evaporative Cooling - Compressors - Variable Speed Drives - Air Handling Units - BMS - HVAC - Fan Coil Units - Split Systems - and much more.

Receive up to \$25,000 in Building Tuner Equipment, Management, and Installation, FREE, through reduction programs and Government Rebates and initiatives.

What is The Building Tuner Management Program and how does it achieve these savings?

Using remote monitoring equipment our team of engineers will analyze usage of power at your site and control equipment such as Air Conditioning, Heating, Cold Rooms, Refrigeration and Lighting. Ongoing optimization and reporting with your monthly subscription less annual savings.

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So what does it involve?

How do we achieve these savings for you?

- **Air Conditioning and Heating operation** - Air Conditioning could be using up 70% of your total power, so it is crucial that this equipment is controlled accurately in real time. We install new smart wireless sensors, thermostats and equipment that control the air conditioning and ventilation based on humidity, outside temperature, occupant density, movement and heat signature mapping in the space. Rather than a simple thermostat in one location and temperature set manually by an employee, the focus is shifted to provide automated occupant comfort whilst minimizing power consumption.
- **Refrigeration and Cool Room efficiencies** – In businesses where there are cold rooms and refrigeration we can reduce consumption by 30% or more. By adding wireless control modules to compressor units and updating fan motors, in addition to new temperature dispersant thermostats, we reduce compressor running times, stagger fan operation and prevent short cycling (cutting in and out frequently). This dramatically decreases power consumption, wear and breakdown.
- **Lighting** – Using wireless occupancy sensors and set operating parameters within the Building Tuner Hub, lighting and power circuits are controlled to turn off in unoccupied periods and turn on automatically when and as required.
- **Reduced Maintenance and repair costs** - Over time equipment drifts from settings and errors develop in electrical and mechanical components in Refrigeration and Air Conditioning. Small faults and failures in minor components such as a thermostat or relay can go undetected for months or years and double or treble power consumption. It can also cause major mechanical damage to equipment. The Building Tuner will monitor, identify and report any issues so that repairs can be undertaken to avoid power wastage and significant damage to equipment.
- **Ongoing Support, Monitoring, Control and Reporting** - Ongoing real time monitoring and control by engineers, to achieve maximum savings. 24/7 live assistance and dashboard. View reporting for multiple sites. Customizable user access permissions for personnel to adjust settings and schedules. On the ground support by local refrigeration mechanics and electricians.
- **Procurement** - Most businesses are paying too much for their power and are unable as a one off operator to secure the best price. Understanding the deals and pricing on offer and utilizing bulk buying power, is paramount to securing the lowest energy pricing. We have been specializing in energy procurement and working with electricity retailers for almost 20 years and in most cases can better your supply pricing significantly from your current contract.
- **Demand Reductions** - In most cases, a large section of your Network Tariff, which comprises approximately 50% of your bill, is a Demand or Capacity Charge. Your peak may spike on one occasion in the middle of summer when you turn on much of your heavy using equipment at the same time- such as air conditioning and refrigeration and you will then continually be charged for that amount ongoing. With wireless monitoring and control we are able to monitor and prevent spikes by staggering equipment start up times and save up to 50% on these charges, meaning big savings.