

CarbonetiX is a national, multi-disciplinary energy and resource management company, who assist clients by reducing their energy and water consumption through the provision of recommendations and solutions to achieve significant cost savings and return on investment.

Introducing SmartInvestigator

Through identifying specific industry needs, our engineers have developed the *SmartInvestigator* service. The *SmartInvestigator* service is an affordable, entry-level energy assessment in which our engineers analyse your electricity smart meter data and provide you with an informative, user friendly report.

Key Features	Benefits
Facility overview	Understand the unit cost of your business
High level tariff overview	Provides transparency of your electricity costs
Summary of baseline electricity consumption, cost and emissions	Provides clarity of your overall electricity needs
Time of use consumption breakdown	Highlight load shifting opportunities
Weekday vs weekend base load analysis	Identify potential energy wastage
Site specific energy intensity	Allows benchmarking of your operation
Power factor review	Identify any electrical infrastructure issues
Graphs of monthly energy usage and peak demand	Discover business performance trends
Graphs of seasonal daily energy load profiles	Predict fluctuations in energy
Observations from data analysis	Identify improvement opportunities
Highlight potential cost savings and recommended next steps	Prioritise energy performance

We invite you to take a moment to review a sample report overleaf. We would welcome the opportunity to discuss with you how our *SmartInvestigator* service can benefit your business by unlocking the potential of smart meter data.

Interested in learning more?

For more information on *SmartInvestigator* and the services **CarbonetiX** can provide to your business please contact us on:

Phone 1300 311 763

Email smartinvestigator@carbonetix.com.au

www.carbonetix.com.au

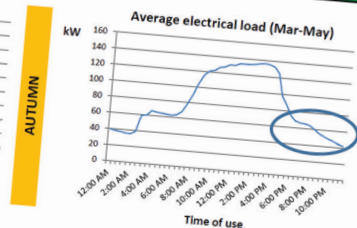
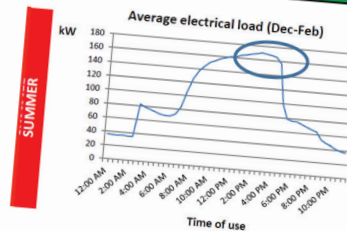


Report Example

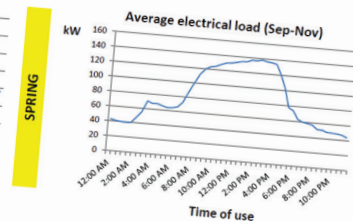
Discover business performance trends and predict energy fluctuations.

Smart Investigator

Seasonal Daily Load Profiles



(Jun-Aug)



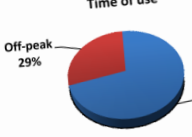
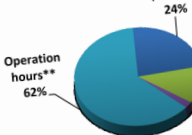
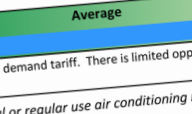
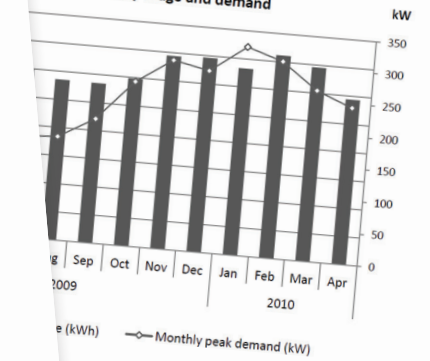
Smart Investigator



Facility and Utility Account Details

Facility and General			Estimated floor area:		2,000 m²					
Facility details	Site name:		Head Office							
	Site type:		Commercial office							
	Occupancy:		Estimated hours when 20% of occupants are present at the facility.							
	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Pub. hols		
	Start	6:00 AM	6:00 AM	6:00 AM	6:00 AM	6:00 AM	Closed	Closed	Closed	
End	6:00 PM	6:00 PM	6:00 PM	6:00 PM	6:00 PM	Closed	Closed	Closed		
Utility accounts	Electricity acct #:		911597760303			Natural gas acct #:		Not reported		
	Electricity retailer:		AGL			Gas retailer:		Not reported		
	Peak rate:		11.58		c/kWh		Average gas rate:		Not reported	
Usage rates & demand charges	Shoulder rate:		-		c/kWh		Contract demand:		\$ 5.00 per kW	
	Off-peak rate:		5.73		c/kWh		Summer demand:		N/A per kW	
	Average elec. rate:		9.91		c/kWh					

Smart Meter Data Analysis

Elec. Supply	NMI:	VEEEDMW7WW01	Data period:	1/01/2014 to 31/12/2014 (12 months)
	Electricity usage:	752,204 kWh	<p>Time of use</p>  <p>Electricity consumption breakdown</p> 	
	Energy intensity:	376 kWh/m ²		
Baseline energy	Annual cost:	\$74,538	<p>Operation hours**</p> 	
	Unit cost:	\$37.3 /m ²		
	GHG emissions:	979 t CO ₂ -e		
CO ₂	% GreenPower:	5%	<p>Power factor</p> <p>Measurement: Low Average High</p> <p>Improvement: The site is on a kW demand tariff. There is limited opportunity to improve power factor.</p>	
	Weekdays:	50 kW ±10%		
	Weekends:	50 kW ±10%		
Average base load	Peak demand:	334.8 kW	<p>Monthly electricity usage and demand</p> 	
	Occurred	10/10/2014 at 14:00		
	Annual cost:	\$32,640		

** Operation hours are the estimated hours of central or regular use air conditioning required.

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Identify energy wastage and highlight load shifting opportunities.