
Organisational Overview

Enman Pty Ltd is an energy and engineering company specialised in energy audit, net zero study, NABERS rating, feasibility study for project implementation and turnkey supply of energy efficiency project implementation. Enman's technology and experience is in chiller plant upgrade, boiler plant upgrade project such as HVAC upgrade, Chiller and boiler plant upgrade, lighting system upgrade, energy management control system and building management system implementation.

Company Details

Company Name	Enman Pty Ltd
ABN	98007115639
Primary Address in Victorian Government	88 Greenridge Ave, Templestowe, VIC 3106
Telephone	0419 578 248
Website	www.enman.com.au

Key Contact 1

Name	Anwar Ahmed
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Key Contact 2

Name	Ramya Gullapally
Position	Project and Administration Manager
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Financial Details

Minimum Contract Size	10,000
Maximum Contract Size	700,000
Public Liability Insurance	\$20,000,000 GIO GPM004490146
Professional Indemnity Insurance	\$5,000,000 BIZ COVER LPS016832716-10755

Accreditations

AIRAH, MIEAust, CP Eng (Chartered Professional Engineer)

Core Competencies

Energy efficiency project from concept to implementation

Service Limitations

Previous & Current EPC Experience

Project Name	Chiller plant and boiler plant upgrade, controls system upgrade including energy management system	
Customer	Stamford Plaza Melbourne	Description / Solutions
Project Cost	Around 1.6millions	<p>There were four 500 kWR chillers which use R22 refrigerant. These chillers are old and very inefficient and use refrigerant R22 which is being phased out in year 2016. These chillers were replaced with most energy efficient four SMARTD-POWERPAX chillers.</p> <p>There were two hot water systems. The heating hot water (HHW) system which used two 500 kWTH boilers for space heating. Also, there was one conventional hot water boiler 600 kWTH to provide domestic water. These were replaced with 16 x 150 kWTH with most energy efficient Meridian condensing boilers.</p> <p>BMS upgrade with a state of art non-proprietary Niagara BMS with remote web-based monitoring, control system and superior trending facility which assists with diagnosis and tuning of control for efficient operation of the HVAC system, Chiller and boiler. The BMS consists of Energy management system which optimises chiller, boiler, HVAC control With Demand management system.</p>
Annual Savings	25% of electricity saving 30% of gas saving	
Payback Period (yrs)	10	
Date Completed	2017	
<Referee Name 1>	<p>Title: Maintenance Manager</p> <p>Organisation: Stamford Plaza Melbourne</p> <p>Relationship:</p> <p>Phone: 0432580466</p> <p>E-mail: poncianocasas@stamford.com.au</p>	

Project Name	Energy management control system	
Customer	Oaks on Market St Melbourne	Description / Solutions
Project Cost	\$200,000	<p>The hotel had old building management system with no optimisation and the HVAC facility of the hotel is controlled by discreet controller with a time clock. To improve the performance of the hotel it is imperative to install a building management system. Through our energy audit it has been found that the most economical option is to implement a BMS with an energy management and optimisation function.</p> <p>The hotel has installed EMS with an advanced supervisory and optimal energy control system, which has a reporting facility, to reduce energy consumption on various building facilities. This BMS/EMS provides the backbone to operate the hotel's facilities most efficiently and can be used as a remote monitoring and control system.</p>
Annual Savings	498,494 kWh/year 182 GJ/yr	
Payback Period (yrs)	3	
Date Completed	2016	
<Referee Name 2>	<p>Title: General Manger-Bodies Corporate</p> <p>Organisation: Oaks Hotels and Resort</p> <p>Relationship:</p> <p>Phone:</p> <p>E-mail:</p>	

Project Name	Energy Management Control System	
Customer	Mercure Hotel Sydney	Description / Solutions
Project Cost	400,000	

Annual Savings	20% of electrical saving	The hotel had Dalkia BMS was a conventional propriety BMS which is restricted in what you can do, and no energy management functions have been included. Enman has implemented Energy Management Control System (EMS) which has saved 20% of electricity.
Payback Period (yrs)	4	
Date Completed	2013	
<Referee Name 3>	<p>Title: Sustainability & Projects Co-ordinator</p> <p>Organisation: Schwartz Family Company</p> <p>Relationship:</p> <p>Phone:</p> <p>E-mail: paul@schwartz.com.au</p>	