

CURRICULUM VITAE – Dr. Lal Jayamaha

1) Personal Information

<i>Name</i>	: Lal Jayamaha
<i>Position</i>	: Founder & Director, LJ Energy Pte Ltd
<i>Postgraduate Degrees</i>	: Ph.D. and M.Eng. National University of Singapore
<i>First Degree</i>	: BSc. First Class Hons. University of London
<i>Professional Membership</i>	: Professional Engineer, PEng - Singapore Chartered Engineer (Professional Engineer) - UK Member Institution of Mechanical Engineers, UK Member, American Society of Heating, Refrigerating & Air-conditioning Engineers (ASHRAE)

2) Employment History

<i>Period</i>	<i>Position</i>	<i>Name of Company</i>
2007 - Present	Founder & Director	LJ Energy Pte Ltd
2001 – 2007	Director	United PREMAS Limited
1998 – 2001	Manager, Energy Engineering	Johnson Controls (S) Pte Ltd, Singapore
1997 – 1998	Senior Project Engineer	Supersolutions Pte Ltd, Singapore
1991 – 1997	Research Scholar & Research Assistant	National University of Singapore
1986 – 1990	Plant Engineer	Unilever
1984 – 1986	R & D Engineer	CCC (Engineers)
1982 – 1984	Trainee Engineer	Walker Sons & Co.

3) Professional Experience

- Detailed energy audits of buildings and industrial plant
- Design, Consultancy and Implementation of energy retrofit projects
- Consulting, design and problem solving services for central air-conditioning systems
- Designing and implementation of central air-conditioning systems
- R & D work on building performance and industrial products

4) Projects Experience

Commercial Buildings	<ul style="list-style-type: none"> • Ministry of Environment Bldg • Capital Tower • Raffles City • Centrepoint Shopping Centre • UE Square • Northpoint • Robertson Walk • Temasek Tower • IKEA • Siam Commercial Bank, Bangkok 	<ul style="list-style-type: none"> • Causeway Point • Funan The IT Mall • United Square • Anchorpoint • Alexandra Point • Valley Point • 6 Battery Road • Tampines Mall • Junction 8 • Menara Citibank, Kuala Lumpur
Industrial	<ul style="list-style-type: none"> • SSMC • Wyeth Pharmaceuticals • GSK (Quality Road) • Seagate, Ang Mo Kio 	<ul style="list-style-type: none"> • Becton Dickinson • SATS Inflight kitchens • Corporation Place • STATSchIPac
Hotels /Residential	<ul style="list-style-type: none"> • Holiday Inn Penang • Meritus Mandarin • Shangri-La Hotel • Northvale 	<ul style="list-style-type: none"> • Holiday Inn Park View • Fraser Suites & Fraser Place • UE Serviced Apartments • HDB Blocks (50 blocks)

5) Other Energy Related Experience

Delivered lecture on “Optimising the Design and Operation of Central Air-conditioning Systems to Minimise Energy Consumption” at The National University of Singapore, 8 April, 1999.

Presented paper on “Opportunities for Energy Conservation in Central Air-conditioning Systems” at Ngee Ann Polytechnic seminar on Achieving Energy Efficient Savings in Air-conditioning Systems, 25 June, 1999.

Presentation on Energy Conservation at PUB Energy Conservation Workshop for Hotel Industry on 26 August, 1999.

Speaker at Regional Institute of Environmental Technology (RIET) Energy Management Course, August 11-13, 1999.

Speaker at Regional Institute of Environmental Technology (RIET) Energy Auditor Course, August 16-20, 1999.

Conducted one day training workshop titled “Design and Manage Commercial Buildings for Energy Efficiency” organised by the Hospitality and Tourism Management Centre on 11 November, 1999.

Delivered lecture on “Energy Efficient Operation of Air-conditioning systems” at PUB-SCI workshop on Energy Efficiency and Management Solutions, 23-25 February, 2000.

Delivered lecture on “Optimising the Design and Operation of Central Air-conditioning Systems to Minimise Energy Consumption” at The National University of Singapore, 9 March, 2000.

Presented paper on “Building Energy Efficiency through Intelligent Controls” at Germany-Singapore Environmental Technology Agency (GSETA): Asia-Pacific regional workshop on Energy Efficiency, 23-25 May, 2000.

Delivered lecture on “Optimising the Design and Operation of Central Air-conditioning Systems to Minimise Energy Consumption” at The National University of Singapore, March, 2001.

Conducted lecture on “Energy savings in Air-conditioning Systems” at the Energy Conservation and Management Course conducted by Singapore Power, July, 2001.

Delivered lecture on “Energy Management and Auditing” at SAFECO-EMA workshop on Profiting from Energy Efficiency, 7-8 November, 2001.

Presented paper on “Demand side management strategies for central air-conditioning systems” at the Joint Annual symposium “Towards Environmental Sustainability” organised by ASHRAE (HKC), CIBSE (HK), HKIE, HK PolyU and EE&C SC, Kowloon Shangri-La hotel, Hong Kong, 20 November, 2001.

Presented paper on “Energy Management” at the Seminar on Energy & Indoor Air Quality Management – A Shopping Centre Perspective, organised by The Association of Shopping Centres (TASC), 24 April, 2002.

Presented paper on “Uncovering Energy Savings Through Energy Audits” at the World Energy Council Asia Pacific Forum held in conjunction with Energy Management Asia 2003, Suntec Singapore, 26 – 27 February, 2003.

Presented paper on the benefits of Energy Audits at the “Energy Saved is Money Saved” Seminar, organised by Singapore Hotel Association, 2 April, 2003.

Co-speaker at workshop on “How to make your choice” held in conjunction with the EMA Electricity Market Deregulation education programme for electricity consumers, May – August, 2003.

Present paper on “Uncovering Hidden Savings in Buildings Through Energy Audits” at the Energy Management and Audit seminar in Kuala Lumpur, Malaysia, 15 – 16 September, 2003.

Present paper on “Profiting from Energy Management” at the Facilities Management Asia Conference in Singapore, 15 – 16 September, 2003.

Speaker at International Conference on Building Systems and Facilities Management 2003, Singapore, October 2003.

Speaker at Healthy Buildings 2003, organized by NUS and the International Society of Indoor Air Quality and Climate, Singapore, December 2003.

Main speaker and course coordinator for 2-day program on Achieving Cost Savings from Energy Management and Energy Procurement for PREMAS Training College, 1 & 2 April, 2004.

Chairperson and Speaker at Energy Efficiency seminar in Shanghai, China, September 26 & 27, 2005.

Conducted lecture on Energy Efficient Air-conditioning systems at the National University of Singapore, October 2005.

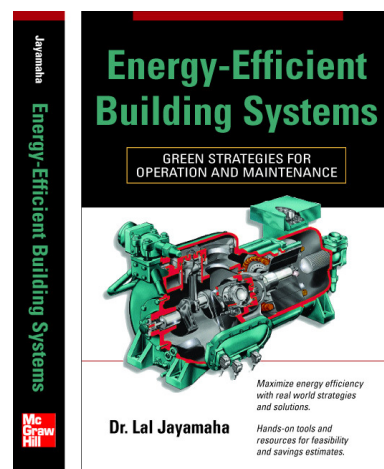
Speaker at “Energy Efficiency: A Business Centric Approach” seminar held at Grand Plaza Parkroyal, Kuala Lumpur, Malaysia, 15 – 16 June 2006.

Speaker at ASHRAE seminar “Sustainability for the Built Environment” held at Singapore Expo Conference Hall, 4 July 2006.

Conducted 2-day training titled “Energy efficient building systems” in Singapore, Dubai and Sri Lanka (2007 & 2008).

Conducted 2-day training on “Energy Auditing” in Dubai, UAE, 2007 & 2008.

Authored book on energy efficiency titled “Energy-efficient building systems” published by McGraw Hill in USA.



Extracts from reviews:

Designed to help reduce energy costs and meet environmental standards, the book contains fully illustrated, real-world examples of successful green building projects that have achieved significant, energy-saving results.

From energy management and auditing, HVAC systems, cooling towers, and pumping systems...to lighting, electrical systems, automation, and building envelope, this expert resource takes readers step by step through procedures for getting optimal performance from every building system.

For each system, the book presents the latest methods for improving efficiency...identifying promising new solutions...evaluating their feasibility...and estimating actual savings.