

# INDUSTRIAL ENERGY SYSTEMS OPTIMISATION

**This 2 day course is designed to enable the fine tuning of industrial processes to minimise energy use, cost and carbon emissions while maintaining process integrity and quality.**

## **Who wins from the course?**

The course delivers the essential knowledge needed by plant operators, maintenance managers, contractor-based engineers and designers and graduate energy engineers to keep the processes they manage running smoothly, effectively and efficiently. The course will benefit them and, through them, their employers who will enjoy reduced costs and more efficient operations. It is geared towards cost savings in larger organisations operating industrial processes, especially those with significant energy consumption.



**Energy Management**  
Association of New Zealand

## **EMANZ Training 2019**

### **Attendee Feedback**

**“A course offering good coverage of many technologies and methodologies essential for anyone wishing to improve their process efficiency and reduce energy costs. A great primer for more detailed study”.**

**“This course was interesting, informative and has equipped me to provide value to clients through being able to understand and analyse energy systems. It has refreshed my understanding of many common industrial technologies and how to improve their operation and energy efficiency.”**

## **ENERGY MANAGEMENT ASSOCIATION OF NEW ZEALAND**

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[www.emanz.org.nz](http://www.emanz.org.nz)

# COURSE CONTENT

## The course covers:

|  |  |
|--|--|
| <ul style="list-style-type: none"><li>• The relationship between energy and carbon</li><li>• Understanding your process</li><li>• Process optimization</li><li>• Continuous improvement methodologies</li><li>• Conducting experiments</li><li>• Collecting data, measurement and verification</li><li>• Preparing a business case</li></ul> | Identifying savings in: <ul style="list-style-type: none"><li>• Heat driven processes</li><li>• Refrigeration processes</li><li>• Industrial HVAC</li><li>• Compressed air processes</li><li>• Pump and fan operation</li><li>• Motor and drive operations</li></ul> |
| The course will use real world case studies to supplement learning and illustrate potential benefits.  |  |

## The Trainer

The training will be delivered by Jonathon Pooch, Managing Director from Christchurch based DETA Consulting ([www.deta.global](http://www.deta.global)). DETA Consulting delivers optimisation services to many of New Zealand's largest businesses and is a leader in energy efficiency and process optimisation for industrial processes.

## LOCATION & DATES

**Auckland**  
September 2019

| <b>Investment</b> <i>(excludes GST)</i> | <b>EMANZ Member</b> | <b>Non-Member</b> |
|---|---------------------|-------------------|
| <b>Training Course</b>                  | \$1,620pp           | \$1,800 pp        |

**For full course details and registration links click here**

<http://www.emanz.org.nz/industrial-energy-systems-optimisation>