



# OPTIMISING PROCESS HEAT SYSTEMS

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 will benefit most from this training?

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 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 Master Accreditation - IESO

This course forms part of a pathway to accreditation as an IESO (Industrial Energy Systems Optimisation) Energy Master.

For more information visit

<https://cep.org.nz/energy-master-industrial-energy-systems-optimisation-specialist/>



## 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”

## CARBON AND ENERGY PROFESSIONALS NEW ZEALAND

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# COURSE CONTENT

This online training will cover the following topics:

<ul style="list-style-type: none"><li>• The relationship between energy and carbon</li><li>• Understanding your process</li><li>• Process optimisation</li><li>• Continuous improvement methodologies</li><li>• Conducting experiments</li><li>• Collecting data, measurement and verification</li><li>• Preparing a business case</li></ul>	<p>Identifying savings in:</p> <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>
<p><b>The course will use real world case studies to supplement learning and illustrate potential benefits.</b></p>	

## The Trainer

The training will be delivered by Jonathan 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.

## Online Training

**Dates:** 3 & 4 August 2021 (Tue & Wed)

**Time:** 9.00am-4.30pm

<b>Investment</b> <i>(NZD, excludes GST, price per person)</i>	<b>CEP Member</b>	<b>Non-member</b>
<b>Online Training Course (2 days)</b>	\$1,400	\$1,560

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

<https://cep.org.nz/details/optimising-process-heat-systems-training/>