ADVANCED HEAT RECOVERY & INDUSTRIAL ENERGY EFFICIENCY
May 15-17, 2018 · Toronto, ON

"This was an excellent course…the techniques can and will be used immediately…the best value I've ever had for a course"

"Immediately applicable to what I do for a living"

SYNOPSIS: A 3-day course on advanced techniques for optimizing heat recovery and improving utility systems in industrial facilities. Presents both theory and the practical use of NRCan's INTEGRATION software to solve real case studies.

OBJECTIVES: Learn how to reduce energy use by up to 30%, cut costs, cut greenhouse gas emissions, and reduce exposure to carbon taxes using pinch analysis; quickly evaluate heat recovery projects and improve equipment operating conditions in steam, refrigeration, and compression systems.

TARGET AUDIENCE: Engineers specializing in industrial energy efficiency; process design engineers and plant project managers working with complex industrial systems in food & drink, chemicals, petrochemicals, oil & gas, pulp & paper and other industries.

SOFTWARE: CanmetENERGY's INTEGRATION software combines sophisticated engineering models for pinch analysis and heat recovery from steam, refrigeration, and compression systems with a friendly, intuitive interface. Practical, powerful, and free, but only for course participants. Visit: www.rerinfo.ca/INTEGRATION.pdf

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DAY 1: Intro to industrial process heat recovery
- Principles of global energy & pinch analysis
- Graphical representation of process streams and heat exchangers
- Determining minimum energy consumption and heat recovery potential of a process
- Identifying sources of energy inefficiency
- Exercises and case studies from food & drink and petrochemicals industries

DAY 2: Industrial process heat recovery (continued)
- Heat recovery optimization using pinch analysis
- Heat integration for process and utility systems
- Case studies from food & drink industry

DAY 3: Steam, refrigeration, and compression
- Overview of main equipment/principles
- Evaluation of energy performance and sources of waste heat; influence of operating parameters
- Exercises and case studies
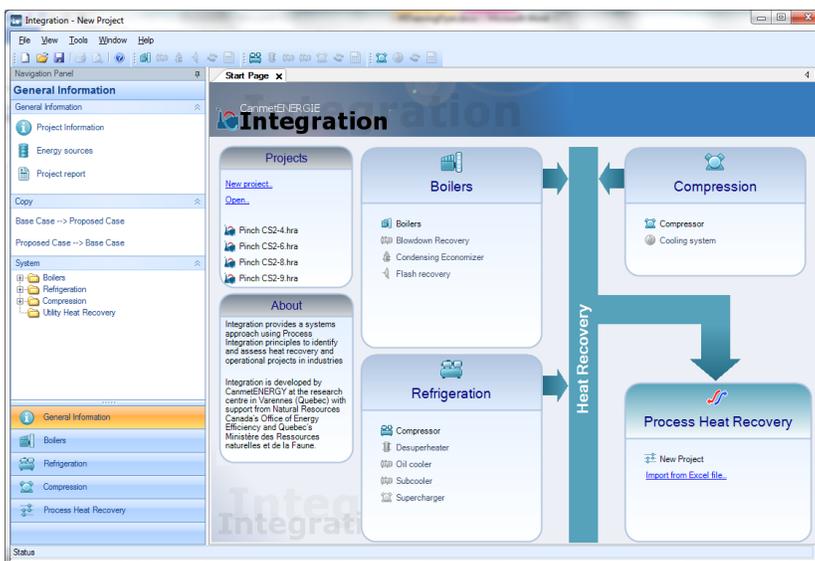
Trainers (licensed by NRCan):
Alberto Alva, MSc, PhD, MBA (Process Ecology)
Michael Ross, BASc (RER Energy)

Dates: May 15-17, 2018

Location: Ramada Plaza Hotel
300 Jarvis Street, Toronto, ON

Materials: course binder, software, certificates

Catering: Lunch, tea/coffee

Cost: $1590 before March 1; $1790 after

Contact: training@rerinfo.ca or (514) 564-9089

RER Energy

PROCESS ECOLOGY

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