

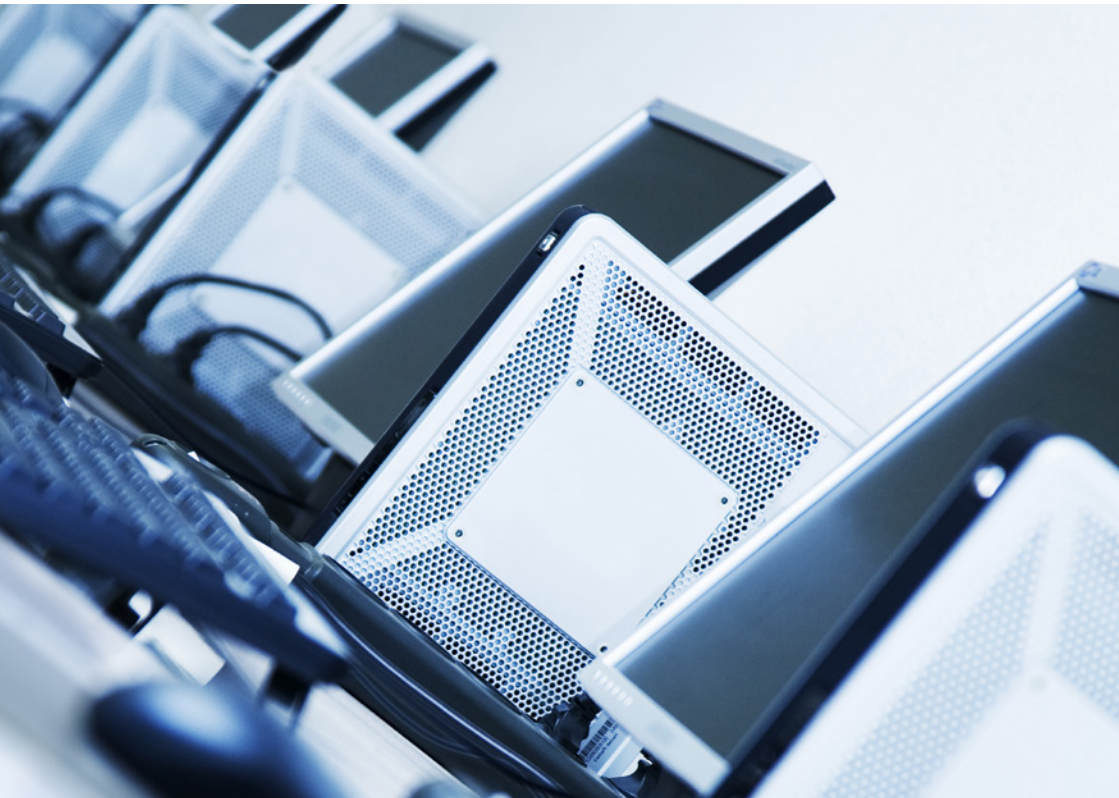
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TRAINING COURSE

# PEL

This one day course will give an introduction to the PEL programs.

17<sup>th</sup> January 2019 - Daresbury, ABB Office



# PEL

PEL software from ABB is a highly effective solution for generating and managing process engineering data.

PEL is a collection of tools to enable engineers to carry out their day-to-day tasks more quickly and reliably. The software includes purpose built programs to generate datasheets, perform engineering calculations of liquid and / or gas flow, investigate physical properties and create fault tree diagrams. Designed by engineers for engineers, the tools are intuitive and easy to use. They can be used to work out every day calculations, for troubleshooting issues such as bottlenecks, or when making plant modifications. This low cost solution will enable engineers to design processes more quickly and reliably with up-to-date and permanently available design data.

This course will give an introduction to the following PEL programs:

- **PhysPack** - for exploring physical properties of both pure components and mixtures
- **PEW** - the Process Engineers Workbench
- **CAPRE** - Calculations for Process Engineers in Excel
- **FLONET and VisualFLONET** - for modelling liquid and gas distribution systems
- **VisualAdrian** - for modelling pressure relief systems
- **VisualPiper** - for rigorous modelling of non-ideal and two phase flow in pipes
- **ProvueDB.NET** - the engineering database for process, control, relief, and instrument datasheets

**Duration: 1 day**

## Price

£700 + VAT

## Benefits

The course is predominantly hands-on training covering the 60 second guides for each of the above programs.

On completion you should be able to understand:

- What programs are available in PEL
- How to use the programs with confidence

## PC requirements

The training is mainly hands-on and in order to get the best results each trainee will require a PC. ABB will have a limited number of laptops available for attendees who are unable to bring their own. If you wish to bring your own PC, please let us know in advance and note the following requirements:

- The PEL software must be installed prior to the course. It may be downloaded from [www.pelsoftware.com](http://www.pelsoftware.com) and will require a software key from ABB to activate it
- Excel and VISIO Standard Edition Version 2010 or higher to be installed on each PC
- PEL requires administrator privileges for installation and 500 MB disk space
- 2010 or higher to be installed on each PC

## Course leader

**Peter Watson** is a chartered chemical engineer and graduated with a first class degree from Imperial College in 1989. He is a Senior Consultant within ABB and the principle chemical engineer in a team developing, supporting and selling the PEL suite of software products for process engineering calculations. In the past he has worked on-site and in the central engineering function of a large operating company, in the design offices of a contracting company, and in process

engineering consultancy groups. He has experience in the chemicals, fine chemicals, and nuclear industries. He has worked in detailed process design, environmental protection, process simulation, process control, chemometrics, and software development. He has a particular interest in computer-aided process engineering.

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### Agenda\* (9am-5pm)

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Introduction

PhysPack

PEW

CAPRE

Lunch

Flonet / Visual Flonet

VisualAdrian

VisualPiper

ProvueDB.net

Close

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\*ABB reserve the right to amend the course agenda.

## How to book

Web: [www.abb.com/uk/consulting/training](http://www.abb.com/uk/consulting/training)

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