


The ideal  
In-Company  
programme to  
instantly add  
value



Solution

# Problem-solving and Creativity

One-day programme

noitulo2



## Who should attend:

Engineers involved in complex problem-solving  
Team leaders driving creative solution agendas  
Those engaged in Operation Excellence missions  
Engineers who wish to learn fresh approaches

## Facilitators:

Engineers Ireland works closely with two expert tutors whom we match to each client company. One focuses on organisational behaviour techniques which can be applied across a range of settings and disciplines to ensure critical-thinking and creative problem solving skills are 'front and centre' in any business strategy. Having more than 25 years experience in an engineering leader role, he shares vast direct knowledge of this topic. Other client companies choose to focus on root cause analysis and standardized approaches (such as Kaizen) to improve problem-solving, particularly in manufacturing environments. Our tutor for these client firms has an outstanding world-class record having trained in excess of 14,000 people in process improvement techniques.

## Enquiries/Bookings:

Email: [cpdtraining@engineersireland.ie](mailto:cpdtraining@engineersireland.ie)  
Tel: +353 1 665 1305

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## Programme Aim:

Critical-thinking and creative problem-solving are the fundamental skills through which engineers make an impactful contribution to organisational life. There are a number of core tried-and-tested techniques which leading global organisations use to ensure their engineers are equipped to handle problems with systematic inventiveness. This highly-tailored programme can be applied to any engineering discipline, from hi-tech manufacturing to the consultancy or construction sector.

## Programme Outline:

- 🕒 The reasoning and mindset of a creative thinker
- 🕒 Essential problem-solving techniques
- 🕒 Worked-examples from relevant environments
- 🕒 Experiential learning: trial and error, reflections and discussions
- 🕒 Problem-solving in teams
- 🕒 Post-programme assignment for proven results

## Key Learning Outcomes:

This workshop will allow participants:

- 🕒 Use concepts and techniques that will instantly add value
- 🕒 Recognise core creativity skills and learn to improve them
- 🕒 Explain to their teams how to apply the tools together

\*Our courses are designed to help you obtain & maintain the **five competences** of a Chartered Engineer (CEng):  
**C1.** Knowledge and Understanding; **C2.** Application of Knowledge; **C3.** Leadership: Technical, Commercial and Managerial; **C4.** Communication & Interpersonal Skills; **C5.** Professional Conduct