

AI Operational Excellence Practitioner 6 days

A cutting edge BQF accredited programme for improvement practitioners, designed to expand your skillset for the AI Revolution

Businesses are eager to realise the benefits of AI within their operational processes, although some are choosing to delay adoption until the associated risks are better understood. Successfully deploying AI at the front line requires a careful balance. Excessive control can restrict innovation and limit the value that AI can deliver, while insufficient governance can expose organisations to operational, reputational and compliance risks. A structured approach is therefore essential to ensure AI is applied in the right situations, in the right way, and with appropriate oversight.

The skills and experience of Operational Excellence practitioners, such as Green Belts, make them ideally placed to identify, assess, and lead AI deployment opportunities. Their expertise in process improvement, data-driven decision-making, risk management, and sustainable change provides a strong foundation for the responsible adoption of AI.

The British Quality Foundation (BQF) accredited AI Operational Excellence Practitioner programme equips Green Belts and equivalent Continuous Improvement practitioners with the knowledge and practical skills needed to take on this role, helping organisations unlock the benefits of AI while maintaining effective governance and control.

What You'll Learn

By the end of this programme, you will be able to:

- Identify the most promising AI opportunities
- Choose the right answer for an improvement question: when and when not to use AI
- Lead an AI project from defining the problem to a controlled, owned solution.
- Validate the benefits
- Understand how AI can support the improvement process, and how established CI tools and Techniques translate into the developing AI world.

This is a significant and comprehensive training programme which will position you at the forefront of AI deployment within your business.

Delivery Format

Delivered virtually over six days (three two-day blocks spaced 2 weeks apart)

Discount for BQF members

Accreditation

- Enables application for AI Operational Excellence Practitioner Certification (BQF) after completing a first project
- Supports professional recognition and career progression
- Worth 48 CPD points

Who Should Attend?

- Lean Six Sigma Green Belts or those with equivalent knowledge and experience
- Individuals running an improvement project where AI is part of the analysis, the design, or the solution itself
- Professionals who want to support others to adopt AI in a safe and effective way within their processes
- Those who want to be able to clearly demonstrate the value of an AI implementation and be confident that the improvement will stick
- Learners seeking accredited AI training

Why Choose This Course?

Participants will:

- Apply process improvement knowledge and skills confidently in the AI era
- Position themselves as the go-to for closing the gap between the promise of AI and the results the business actually gets
- Learn when *not* to use AI
- Directly address the risks that stall AI adoption - control, safety and quality

Course Content

Identifying the Opportunity Is this the right problem, and is AI the right answer? • Where AI goes wrong • Does this step deserve to exist? • Choosing the method • Classifying the work • Pricing it before designing it What does the customer need, and do we have the data? • CTQs • Do we have the data to support this? • Turning the unstructured into data • Validation	Analysing, Deciding and Designing What is the baseline, is the process stable, and what is the AI telling us? • Baselining with AI • Stabilise before you automate • Treading findings as hypotheses • AI as your analyst How do we engage our people and design the best approach? • Leading the human side • Generating options with AI • Designing the solution • Classifying the new process • Widening the FMEA with AI • FMEA for the AI itself	Building, controlling and sustaining Is it error-proofed? How do we build it? • Error-proofing at source • Getting it built without writing code • Hands-on build How do we apply controls, establish ownership and hand the solution over? • Keeping the check alive • Controls on the process and on the AI • Who owns it, and where the human sits • Daily management, extended • Prompts as standard work • Responsible AI inside a project • Communicating findings
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Why Choose Catalyst?

Catalyst delivers results, not just services. We blend consulting, coaching, training, and AI-powered tools into a seamless support system that meets teams where they are, developing capability at every level.

Thousands trust us to support their learning and Continuous Improvement journeys – we’ve specialised in Lean Six Sigma Training and Consultancy for over 30 years. We’re known for sharing our knowledge in an accessible and interactive way. Look no further for relevant, relatable content, built by experts and accredited by the British Quality Foundation and the Lean Competency System (LCS). We are the BQF’s primary Lean Six Sigma partner and recommended by the Chartered Quality Institute.