
TRAINING COURSES

Effective alarm management

Modular training courses



[11 October 2022 - Module 1: Essential alarm management - Teesside, ABB Office](#)

[12 October 2022 - Module 2: Application of alarm management - Teesside, ABB Office](#)

[13 October 2022 - Module 3: Advanced alarm management - Teesside, ABB Office](#)

07 February 2023 - Module 1: Essential alarm management - Virtual classroom

14 March 2023 - Module 2: Application of alarm management - Virtual classroom

09 May 2023 - Module 3: Advanced alarm management - Virtual classroom

10 October 2023 - Module 1: Essential alarm management - Teesside, ABB Office

11 October 2023 - Module 2: Application of alarm management - Teesside, ABB Office

12 October 2023 - Module 3: Advanced alarm management - Teesside, ABB Office



Effective alarm management

ABB's IChemE approved **Effective alarm management** training courses - this 'modularised' set of training courses has been designed to enable a flexible approach to the subject matter based on delegate experience and learning needs and where your organisation currently stands with regards to your alarm management journey.

Essential alarm management (Module 1)

This module is aimed at anyone with a general interest in alarm management appreciation and awareness and is appropriate for attendance by a broad range of delegates from within operations, engineering, projects and senior management teams.

This is a good introduction to anyone who is embarking on their alarm management journey and covers the following topics:

- Awareness of legislation, standards and guidelines
- Alarm management lifecycle
- Operator interaction and alarm systems
- Auditing and assessment
- Continuous improvement, alarm management and rationalisation

At the end of this course, delegates will have an understanding of their requirements under the relevant alarm management standards e.g. IEC 62682 and how to start to assess their own alarm management systems.

Delegates will also be able to develop a continuous improvement framework and explain the overall benefits of good Alarm Management and should be able to:

- Explain the consequences of poor alarm management

- Understand the standards and guidance available and any legislative requirements
- Define an alarm, the alarm system and the operators role
- Appreciate the requirements for developing appropriate alarm management documentation
- Understand the mechanisms for auditing and benchmarking of your alarm system
- Understand the requirements for alarm system documentation
- Prioritise and rationalise alarms
- Identify when the alarms on an existing asset would need to be rationalised

Application of alarm management (Module 2)

This module builds and further details the concepts introduced in module one. This will include practical examples to demonstrate the techniques associated with addressing continuous improvement for your alarm systems. This second module is appropriate for delegates who are involved in addressing alarm management requirements within their own operations.

The course features:

- Benchmarking and performance
- Practical examples based around the continuous improvement model
- Nuisance alarm management
- Alarm management implementation

At the end of this course, delegates will be able to implement practical tools and techniques in the workplace that can help address continuous improvement of their alarm systems.

Delegates should be able to:

- Create and maintain key alarm system documentation
- Review your system's performance
- Prioritise alarms in accordance with company requirements
- Plan and execute bulk alarm rationalisation
- Carry out nuisance alarm remediation
- Recognise when the alarm system, is not the problem
- Manage change successfully

Advanced alarm management (Module 3)

This module will feature enhanced alarm management techniques including peak alarm management and the role of alarms within safety instrumented systems (SIS). This third module is appropriate for delegates who have completed the earlier training modules and whom wish to further enhance their training requirements as recognised practitioners and who are directly involved in addressing alarm management requirements within their own operations.

This course features:

- Enhanced Alarm Management Techniques
- Peak Alarm Management
- SIL rated alarms
- Alarms for batch processes
- Managing alarms in the project management lifecycle

At the end of this course delegates will be able to understand the advanced alarm management techniques for start-up / shutdown and batch processing requirements, including the requirements for identifying highly managed alarms associated with functional safety. This will also provide an in-depth understanding of delivering proper alarm management during the project execution and operational lifecycle.

Delegates should be able to:

- Explain how different strategies can be applied for further improving performance
- Understand the challenges of alarm flood management
- Recognise both good and bad practice for operator interface
- Define a highly managed alarm
- Understand different requirements for batch processes and how to address them
- Recognise the alarm management challenges associated with projects

The training method

All modules are highly interactive courses in which lecture presentations are supplemented with practical examples, case studies, and individual & group exercises to reinforce the formal learning.

This course meets the requirements of Continuing Professional Development (CPD).

Course tutor

Ian Kemble is a Senior Safety Consultant with ABB and is the course director. He is a Chartered Engineer and Certified Functional Safety Professional with over 35 years of experience in industrial automation and control engineering, delivering solutions and services to a wide range of industries including Oil & Gas, Chemicals, Pharmaceuticals, Food & Beverage, Manufacturing, Metals, Mining, Government Establishments and Power & Utilities, with much of this work completed in accordance with international regulatory standards.

Price

1 x Module:

Member of IChemE - £620 + VAT

Non-member - £650 + VAT

2 x Modules:

Member of IChemE - £1,140 + VAT

Non-member - £1,200 + VAT

3 x Modules:

Member of IChemE - £1,700 + VAT

Non-member - £1,800 + VAT

It is not a prerequisite to attend the previous modules, however it is recommended. Furthermore, if you attend all 3 modules, you will receive the ABB Alarm Management Practitioners certificate.

How to book

Web: www.abb.com/uk/consulting/training

Email: jackie.kendall@gb.abb.com

Phone: Call Jackie Kendall on +44 (0)1642 372121

ABB Limited

Daresbury Park
Daresbury
Warrington
Cheshire
WA4 4BT
United Kingdom
Phone: +44 (0)1925 741111
E-Mail: contact@gb.abb.com

ABB Limited

Hareness Road
Altens Industrial Estate
Aberdeen
AB12 3LE
United Kingdom
Phone: +44 (0)1224 592123
E-Mail: contact@gb.abb.com

ABB Limited

The Shearer Building
Earls Road
Grangemouth
Stirlingshire
FK3 8XG
United Kingdom
Phone: +44 (0)1324 494406
E-Mail: contact@gb.abb.com

ABB Limited

Pavilion 9
Byland Way
Belasis Business Park
Billingham
Cleveland
TS23 4EB
United Kingdom
Phone: +44 (0)1642 372000
E-Mail: contact@gb.abb.com

ABB Limited

The Deep Business Centre
Tower Street
Hull
HU1 4BG
United Kingdom
Phone: +44 (0)1482 481160
E-Mail: contact@gb.abb.com