

Design, manufacture and supply communication systems world wide for use in the petrochemical industry.

KB008 Training Syllabus

Training

To ensure that any implementation of a Vodec solution is completed successfully and professionally, there is a range of product related training programs available. Whether you need to install the system, or are responsible for the ongoing maintenance, we have a range of training programs to equip you with the knowledge and skills you require.

The need for a competent and trained workforce has never been more acute based on manpower drawdown and expensive operational downtime. The training courses available from Vodec Ltd will help to mitigate some of these risks and help businesses maintain a competent and trained workforce.

Vodec Ltd offer a choice of three courses designed to cover the differing needs of all of our clients. These are identified by levels.

- Level 1 – An introduction to PAGA
- Level 2 – An appreciation of the Vodec P3 PAGA System
- Level 3 – An appreciation of installation, pre-commissioning and commissioning activities on the Vodec P3 PAGA system.

Each course concludes with an examination and successful completion of the examination is obligatory to the award of a certificate. The decision of Vodec Ltd in the award of certificates at the completion of a course is final.

Level 1 An introduction to PAGA

Course Description Level 1 provides a concise look at the requirements of PAGA systems. This course covers an introduction to PAGA with the input and output requirements, certifying authority regulations, loudspeaker topology and acoustic study requirements.

Also covered are subjects such as power supplies, system monitoring and supervision along with architecture and control and system security. Hazardous area requirements are introduced and demonstration of the operation of a Vodec P3 system concludes the course.

An examination is presented at the end of the course and award of certificate is dependant on successful completion.

Duration Two days

Prerequisite Knowledge of electronic devices and maintenance

- ; To enable the candidate to operate the P3 PAGA system and have an understanding of the legal requirements covering PAGA systems in the Petrochemical industry as well as demonstrating knowledge of the underlying concepts behind modern PAGA system design.

Level 2
An appreciation of the Vodec P3 PAGA System

Course Description Level 2 provides an in-depth description of the Vodec Ltd P3 PAGA system. This course commences with the key components of the P3 system and continues with detailed explanation of the component modules. Single and duplicated architecture is explored along with duplicated AC operation and the system management along with the system topology, connection to the field devices and the operator access panels and concludes with acoustic coverage fundamentals and maintenance schedules.

Additionally hazardous area requirements and installation are also covered. Practical work is an integral part of this course.

An examination is presented at the end of the course and award of certificate is dependant on successful completion.

Duration Three days

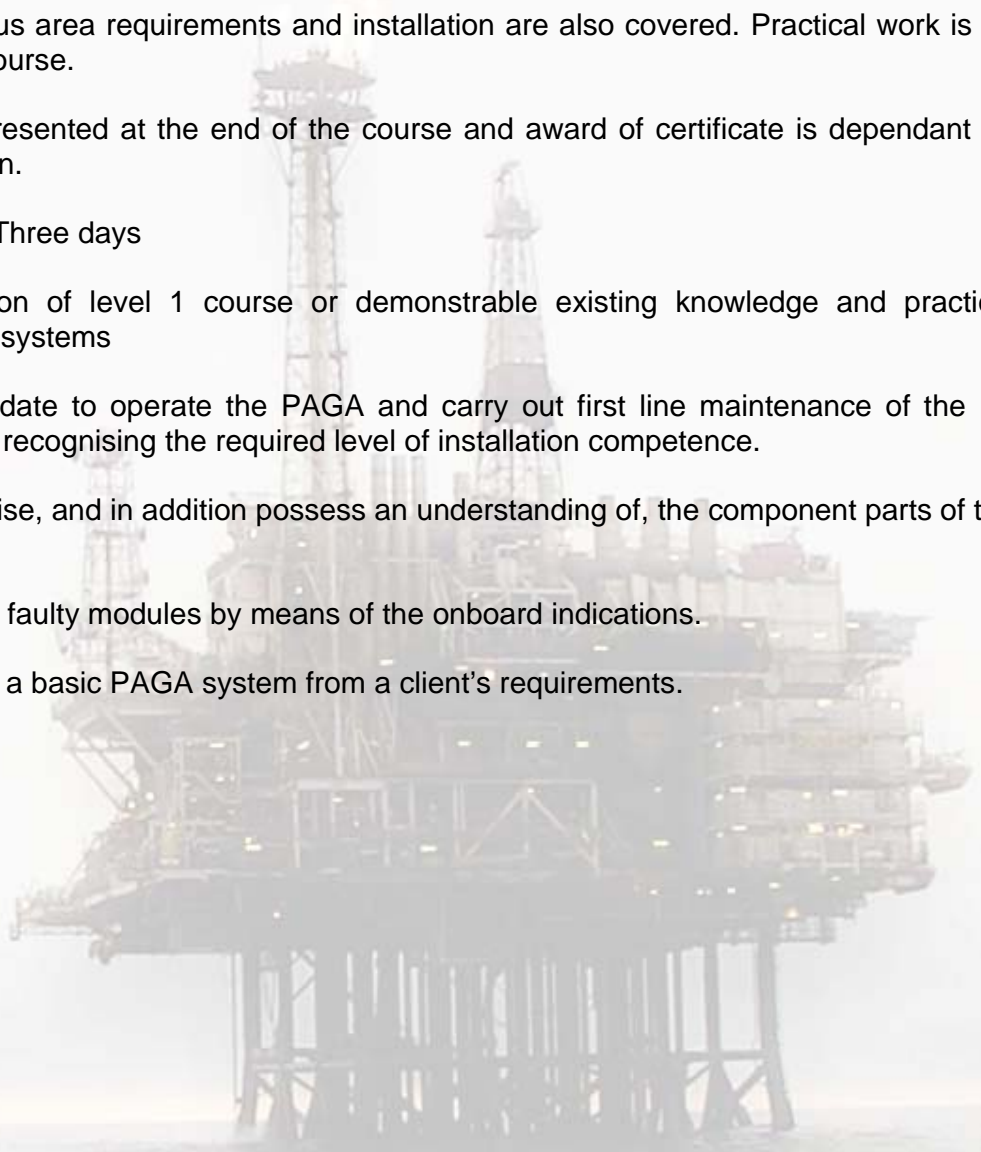
Successful completion of level 1 course or demonstrable existing knowledge and practical experience of PAGA systems

; To enable the candidate to operate the PAGA and carry out first line maintenance of the P3 system in addition to recognising the required level of installation competence.

To be able to recognise, and in addition possess an understanding of, the component parts of the system.

To be able to identify faulty modules by means of the onboard indications.

To be able to specify a basic PAGA system from a client's requirements.



Level 3

An appreciation of installation, pre-commissioning and commissioning activities on the Vodec P3 PAGA system.

Course Description Level 3 provides an understanding of the P3 system from the viewpoint of installation, pre-commissioning and commissioning.

The course will cover:

- Detailed installation guidelines and field cabling requirements
- Safe area and hazardous area installations
- Power supply interconnections and requirements
- Cabling and installation checks
- Loudspeaker and beacon circuit verification
- Access panel installation and cabling
- Power up of the system
- Initial tests
- Pre-commissioning checks
- Commissioning procedure
- Fault finding methodology

A large proportion of this course will be practical and students will be expected to take “a hands on” approach.

An examination is presented at the end of the course and award of certificate is dependant on successful completion.

Duration Four days

Prerequisite Successful completion of levels 1 and 2

; To enable the candidate to oversee the installation of a P3 PAGA system covering both the central and field equipment along with the field cabling. The candidate will be able to safely apply power to the installed system and carry out pre-commissioning checks and tests to verify both the correct operation of the central equipment and the equipment located in the field in addition to identifying and resolving installation problems.

The candidate will be able to carry out satisfactory commissioning and demonstration to the client of the completed system.

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The logo for VODEC USA, featuring the word "VODEC" in a bold, sans-serif font, followed by a stylized "U" and "A" in a blue and red color scheme.

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The logo for VODEC France, featuring a stylized map of France in red, white, and blue, with the word "VODEC" in a bold, sans-serif font overlaid.

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