



# MediGAS UK

Training Brochure



Providing medical gas training,  
consultancy & design to the  
healthcare industry worldwide

[www.medi-gas.co.uk](http://www.medi-gas.co.uk)



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## Accreditations & Memberships



### City & Guilds Assured

MediGAS UK Ltd is proud to deliver three programmes assured by City & Guilds - Authorised Person (MGPS), Competent Person Installation (MGPS) and Competent Person Maintenance (MGPS).

City & Guilds is one of the world's most recognised and respected names in skills development and quality assurance, and achieving Assured status is formal recognition that the systems and processes we use to plan, design, deliver and evaluate our training meet their global Assured Benchmark Standards. This accreditation gives learners, employers and healthcare organisations the confidence that these programmes are designed and delivered to the highest professional standards.



As a proud member of the Institute of Healthcare Engineering and Estate Management (IHEEM), MediGAS UK Ltd is committed to delivering excellence in healthcare engineering and estate management. Our membership reflects our dedication to maintaining the highest standards, staying at the forefront of industry advancements, and ensuring safe, sustainable, and innovative solutions for our clients. With access to IHEEM's wealth of resources, training, and professional network, we provide services that are trusted and valued across the healthcare sector.

## Who are **MediGAS UK**?

Based in Manchester, United Kingdom we are proud to be specialists in an industry where precision and safety means everything and we make sure our work reflects just that.

Our focus is simple; to deliver high-quality, efficient, and flexible training and consultancy services that fit the customer's need. Whether it's keeping your team up to date with the latest guidance or offering practical, hands-on training and support, we are here to make medical gas compliance straightforward and stress-free.

Our goal is to provide a service that's not just professional and reliable but also dynamic, approachable, and tailored to real-world challenges.

At MediGAS UK we are more than a training provider; we are your partner in creating safer, smarter, and more efficient solutions to your requirements.

### **Let's make compliance work for you!**

MediGAS UK works alongside the most respected names in the healthcare industry, including NHS England, NHS Scotland, NHS Wales, leading UK universities, private hospitals, and globally renowned suppliers and contractors.

Our services also extend far beyond the UK, offering expertise to private & government hospitals, international ministries of health, equipment suppliers & contractors worldwide.

By partnering with organisations across the globe, we deliver high-quality, tailored solutions that prioritise compliance, efficiency, and patient safety at every step.

Wherever you are in the world, MediGAS UK is ready to help you meet your medical gas training and consultancy requirements.

## Mission Statement...



Enhance patient safety and operational excellence by providing expert medical gas training and consultancy services to the healthcare sector.

Underpinned by professionalism, knowledge, and approachability, we are committed to being your trusted specialists, with patient safety and customer experience at the core of everything we do.

## Vision...

- To be a pillar of support that underpins the medical gas pipeline system infrastructure for healthcare premises.
- Globally recognised as the gold standard of training provision.
- Maintain that our customers are our lifeblood, where customer experience will always be paramount to our organisation.
- Lead the way in training delivery methods, exploring new technology, self-awareness, and customer feedback to evaluate and improve our course offerings.





# Engineering Training Courses

- Authorised Person Comprehensive
- Authorised Person Refresher
- Competent Person Maintenance
- Competent Person Installation
- Competent Person First Responder

 MediGAS UK Engineering Training Course

# Authorised Person Comprehensive

Duration - 4.5 Days

**(APC - MGPS)** Candidates: Minimum 3 - Maximum 12



Delegates require retraining every 3 years

## Audience

Individuals aspiring to be appointed as an Authorised Person (MGPS) within a healthcare setting; requiring a detailed understanding of the responsibility for the management of the medical gas pipeline systems (MGPS) within healthcare facilities. Also beneficial for individuals of whom work for private contractors that provide services to healthcare facilities or project teams who will be responsible for the design of MGPS or those looking to further develop knowledge on the subject.

## Objective

Equip participants with the knowledge, skills, and confidence required to manage, operate, and maintain medical gas pipeline systems in accordance with HTM 02-01 Part B; Section 7. The course prepares individuals to fulfill the responsibilities of an Authorised Person ensuring the safety, compliance, and efficiency of MGPS.

## Course Overview

Accredited 4.5 day training course, including tuition, course workbook, digital course notes, delivered with a combination of theoretical & practical work & scenario based projects both individually and as group work. Assessment via workbook and technical awareness exam.

For more information or to receive a quotation, please email:

[info@medi-gas.co.uk](mailto:info@medi-gas.co.uk)

## Learning Outcomes

- Medical Gas Safety
- Introduction to the HTM
- Principles of Supply
- Roles & Responsibilities
- Supply Systems
- Local MGPS Components
- Distribution & Monitoring
- Design
- Installation
- Risk Assessment & Method Statement
- Verification & Validation
- Permit to Work
- MGPS Documentation



# Authorised Person Refresher

**Duration - 2.5 Days**

**(APR - MGPS)** Candidates: Minimum 3 - Maximum 12



Delegates require retraining every 3 years

## Learning Outcomes

- Medical Gas Safety
- Introduction to the HTM
- Principles of Supply
- Supply Systems
- Distribution & Monitoring
- Design Principles
- Installation
- Verification & Validation
- Risk Assessment & Method Statement
- Permit to work
- MGPS Documentation

## Audience

Those in the role of Authorised Person whom have previously completed their comprehensive course and require retraining as per HTM 02-01 Part B, Section 7.

## Objective

Update and reinforce the knowledge, skills, and competencies of individuals already appointed as Authorised Persons. This course ensures that participants stay current with the latest guidance, best practices, and technological advancements in the management and operation of medical gas pipeline systems.

## Course Overview

Accredited 2.5 day training course, including tuition, course workbook, digital course notes, delivered with a combination of theoretical & practical work & scenario based projects both individually and as group work. Assessment via workbook and technical awareness exam.

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 MediGAS UK Engineering Training Course

# Competent Person Maintenance

Duration - 2.5 Days

**(CPM-MGPS)** Candidates: Minimum 3 - Maximum 12



Delegates require retraining every 3 years

## Audience

Those of whom are responsible for the day-to-day maintenance, servicing, and operational support of medical gas pipeline systems in healthcare facilities also private contractors specialising in maintenance and repair of plant and components.

## Objective

Equip participants with the technical knowledge, practical skills, and safety awareness required to maintain, service, and support the operation of medical gas pipeline systems in accordance with HTM and healthcare facility requirements. The course prepares individuals to perform maintenance tasks safely, effectively, and in compliance with guidelines.

## Course Overview

Accredited 2.5 day training course, including tuition, course workbook, digital course notes, delivered with a combination of theoretical & practical work & scenario based projects both individually and as group work. Assessment via workbook and technical awareness exam.

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## Learning Outcomes

- Medical Gas Safety
- Roles & Responsibilities
- Introduction to the HTM
- Supply Systems
- Central & Local Alarms
- Local MGPS Components
- Risk Assessment & Method Statement
- Verification & Validation
- Permit to Work
- Planned Preventative Maintenance
- Fault Finding
- Documentation

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Competent Person  
Maintenance (MGPS)

City & Guilds  
ASSURED

 MediGAS UK Engineering Training Course

# Competent Person Installation

Duration - 2 Days

**(CPI-MGPS)** Candidates: Minimum 3 - Maximum 12



Delegates require retraining every 3 years

## Learning Outcomes

- Medical Gas Safety
- Principles of Supply
- Roles & Responsibilities
- Permit to Work
- Risk Assessment & Method Statement
- Material Selection
- Installation Methodology
- Verification & Validation
- Practical Brazing
- Provision of Gases, Valves & Terminal Units
- Central & Local Alarms
- Temporary Supply Provision & Safe Isolation
- MGPS Documentation

## Audience

Individuals involved in the installation & commissioning of medical gas pipeline systems. These individuals are responsible for ensuring the installation adheres to relevant guidance & standards including material selection and jointing methodology ensuring the carcass and system are installed safely and are fully operational and inline with the HTM. Primarily aimed at specialist contractors who provide installation services to healthcare facilities.

## Objective

Equip participants with the technical knowledge, practical skills, and safety awareness required to safely and effectively install Medical Gas Pipeline Systems (MGPS) in compliance with HTM 02-01 and other relevant standards. The course ensures that participants understand their responsibilities in delivering safe, compliant, and high-quality MGPS installations.

## Course Overview

Accredited 2 day training course, including tuition, course workbook, digital course notes, delivered with a combination of theoretical & practical work & scenario based projects. Assessment via practical inspection, workbook and technical awareness exam.

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Competent Person  
Installation (MGPS)



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# Competent Person First Responder

Duration - 1 Day

**(CPFR-MGPS)** Maximum 12 

Delegates require retraining every 3 years

## Audience

Directly employed hospital maintenance staff within estates and facilities responsible for conducting daily and weekly PPMs and providing first line response to medical gas pipeline system faults and alarm conditions. Aimed at those with a limited responsibility within the role of Comptent Person, involvement is typically (not exclusively) restricted to visual PPMs, minor plant repairs and replacement / repair of second fix terminal unit.

## Objective

Equip participants with the fundamental knowledge of medical gas safety and principles of supply for a pipeline systems. Increase technical knowledge of system familiarity and importance of patient safety. Learn and develop practical skills to safely conduct daily / weekly PPMs and replace and repair a second fix terminal unit on live medical gas system.

## Course Overview

Accredited 1 day training course, including tuition, course workbook and digital course notes. Delivered with a combination of theoretical & practical work & scenario based projects. Assessment via practical replacement of terminal unit at 400kpa, workbook and technical awareness exam.

## Learning Outcomes

- Medical Gas Safety
- Principles of Supply
- Roles & Responsibilities
- Permit to Work
- Risk Assessment & Method Statement
- Supply Systems
- Plant & Manifold Rooms
- Central & Local Alarms
- Daily / Weekly PPMs
- Terminal Units, AVSU's & Line valve Assemblies
- Practical Repair, Replace and Validation of Terminal Units

For more information or to recieve a quotation, please email:

[info@medi-gas.co.uk](mailto:info@medi-gas.co.uk)



# Vocational Training Courses

- Medical Gas Safety; Clinical Staff
- Medical Gas Safety; Porters
- Designated Nursing / Medical Officer
- Cryogenic Safety
- Specialist / Industrial Gas Safety
- Introduction to MGPS
- Train the Trainer (Medical Gas Safety) Comprehensive
- Train the Trainer (Medical Gas Safety) Refresher

# Medical Gas Safety; Clinical Staff

**Duration** - Half / Full Day

**(GS01)** Up to 15 attendees per session



Delegates require retraining annually

## Audience

Clinical staff who have responsibility for the safe use and administration of medical gases, from both pipeline systems & cylinders.

## Objective

Increase the knowledge, competence and confidence of clinical staff responsible for the safe use and administration of medical gases. Understand the hazards and best practices to ensure both staff and patient safety.

## Course Overview

A certified 2.5 hour training course includes tuition, course workbook, practical demonstration and assessment.

## Learning Outcomes

- Principles of Medical Gases
- Cylinder & Component Identification
- Hazards & Control Measures
- Storage & Handling
- Cylinder Preparation
- Equipment Usage
- Central & Local Alarms
- Usage Calculation
- Gas Conservation
- Contingency Planning
- Alarms, AVSU's & Terminal Units

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# Medical Gas Safety; Porters

**Duration** - Half / Full Day

**(GS02)** Up to 15 attendees per session 

Delegates require retraining annually

## Learning Outcomes

- Principles of Medical Gases
- Cylinder Identification
- Cylinder Valves
- Hazards & Control Measures
- Equipment Identification & Connection
- Storage & Transportation
- Faulty Cylinders
- Manifolds
- Central Alarms
- Cylinder Replacement (Manifolds / Equipment)
- Usage Calculations

## Audience

Designed for staff providing the service of storage and transportation of medical gas cylinders and the replacement of cylinders on manifolds. This course is also relevant to some estates maintenance staff with limited responsibility for medical gases.

## Objective

Increase the knowledge and competence of staff in the safe storage and handling of medical gases, replacement of medical gas cylinders on manifolds and connection of equipment.

## Course Overview

A certified 2.5 hour training course includes tuition, course workbook, practical demonstration and assessment.

For more information or to receive a quotation, please email:  
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# Designated Nursing / Medical Officer

**Duration** - Half / Full Day

**(DN04)** Up to 15 attendees per session



Delegates require retraining every 3 years

## Audience

Senior clinical staff responsible for the management of the ward and/or department; whom has specific responsibilities in regards to the management of medical gas pipeline systems in the event of emergency or interruption to supply.

## Objective

Increase the knowledge and competence of senior clinical staff to enhance safe and effective management of the medical gas pipeline system to ensure patient safety. Enable the candidates to understand their role in the event of an interruption to supply both planned and emergency.

## Course Overview

A certified 2.5 hour training course includes tuition, course workbook, practical demonstration and assessment.

## Learning Outcomes

- Medical Gas Safety
- Principles of Supply
- Roles & Responsibilities
- Hazards & Control Measures
- Medical Gas Pipeline System Overview
- Local MGPS Components & Functionality
- Emergency Situations
- Central & Local Alarms
- Emergency Isolation
- Permit to Work
- Usage Calculations
- AVSU's & Terminal Units

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# Cryogenic Safety Training

**Duration** - Half / Full Day

**(CR05)** Up to 15 attendees per session 

Delegates require retraining annually

## Learning Outcomes

- Properties of Gases
- Hazards & Control Measures
- Personal Protective Equipment
- Storage & Handling
- Dewars, Vessels & Flasks
- Cryogenic Applicators
- Equipment Identification & Labelling
- Filling & Decanting
- Emergency Actions
- Oxygen Depletion & Monitoring

## Audience

Staff involved with the storage, handling, decanting or transportation of Cryogenic gases in Dewars & vessels.

## Objective

Provide participants with knowledge and skills to handle and work safely with liquid nitrogen and other cryogenic materials within the healthcare or relevant environments.

## Course Overview

A certified 2.5 hour training course includes tuition, course workbook, practical demonstration and assessment.

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# Specialist / Industrial Gas Safety

**Duration** - Half / Full Day

**(SGS)** Up to 15 attendees per session



Delegates require retraining annually

## Audience

Individuals who work with or whom are exposed to specialist, laboratory or industrial gases within their work place or educational setting.

## Objective

Provide delegates with the knowledge, skills, and confidence to handle, use, store, and transport specialist / industrial gases safely, while ensuring compliance with industry standards and regulations. The course aims to enhance workplace safety, minimise risks, and prepare individuals to respond effectively to gas-related incidents.

## Course Overview

A certified 2.5 hour training course includes tuition, course workbook, practical demonstration and assessment.

## Learning Outcomes

- Gas Properties
- Cylinder Identification
- Safe Storage & Handling
- Standards & Regulations
- Hazards & Control Measures
- Emergency Procedures
- Maintenance & Inspections
- Cylinder Replacement (Locally & Centrally)
- Equipment Identification & Usage
- Supply Systems Overview

For more information or to receive a quotation, please email:

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# Introduction to MGPS

**Duration - Full Day**

**(IMG)** Up to 15 attendees per session 

Delegates require retraining annually

## Learning Outcomes

- Introduction to HTM
- Roles & Responsibilities
- Medical Gas Pipeline System Overview
- Principles of Design
- Supply System Overview
- Component Overview
- Design & Installation
- Verification & Validation
- Quality Control
- Project Lifecycle
- Modifications & Upgrades

## Audience

Staff involved in the design, operation and management of medical gas systems in healthcare settings. These individuals may have varying levels of familiarity with MGPS and require foundational knowledge to work effectively in their roles.

## Objective

Provide participants with fundamental knowledge and skills to understand, operate, and support the safe and efficient functioning of MGPS in healthcare facilities. The course aims to familiarise delegates with the components, principles, standards, and safety practices associated with medical gas systems, ensuring they can contribute to the system reliability and patient safety.

## Course Overview

A certified 1 day course including tuition, course workbook and assessment.

For more information or to receive a quotation, please email:

[info@medi-gas.co.uk](mailto:info@medi-gas.co.uk)

## Train the Trainer (Medical Gas Safety) Comprehensive

Duration - 2 Days

**(TT1)** Candidates: Minimum 3 - Maximum 12



Delegates require retraining annually

### Audience

Staff who have the responsibility for providing training internally for the safe use, handling, storage, administration of medical gases, as well as those responsible for the replacement of cylinders both locally & on manifold systems.

### Objective

Equip participants (trainers, facilitators, or educators) with the knowledge, skills, and confidence required to effectively design, deliver, and evaluate training programs for others. This course aims to prepare trainers to be both competent in the subject-matter and skilled facilitators.

### Course Overview

A certified 2 day course including tuition, course workbook and practical demonstration.

Assessment via practical demonstration and technical awareness exam. This course can be tailored to either portering or clinical staff.

Delegates will receive personalised training plan, resources and ongoing annual support, including the following:

- Attendance list
- Exam
- Workbook
- Presentation

### Learning Outcomes

- Training Requirements
- Principles of Medical Gases
- Cylinder Identification
- Cylinder Valves
- Hazards & Control Measures
- Equipment Identification
- Storage & Transportation
- Medical Gas Pipeline Overview
- Alarms, AVSU's & Terminal Units
- Manifolds
- Replacement of Cylinders (Manifolds & Equipment)
- Learning Environments & Delivery Methods
- Evaluation & Recording

For more information or to receive a quotation, please email:

[info@medi-gas.co.uk](mailto:info@medi-gas.co.uk)

## Train the Trainer (Medical Gas Safety) Refresher

Duration - 1 Day

**(TT2)** Up to 15 attendees per session 

Delegates require retraining annually

### Learning Outcomes

- Training Requirements
- Principles of Medical Gases
- Cylinder Identification
- Cylinder Valves
- Hazards & Control Measures
- Equipment Identification
- Storage & Transportation
- Medical Gas Pipeline Overview
- Alarms, AVSU's & Terminal Units
- Manifolds
- Replacement of Cylinders (Manifolds & Equipment)
- Learning Environments & Delivery Methods
- Evaluation & Recording

### Audience

Staff who have the responsibility for providing training internally for the safe use, handling, storage, administration of medical gases, as well as those responsible for the replacement of cylinders both locally & on manifold systems. Delegates of whom have attended the "Train the trainer; Comprehensive".

### Objective

Ensure existing internal trainers, facilitators, or educators are up to date with the knowledge, skills, and confidence required to effectively design, deliver, and evaluate training programs for others. This course aims to ensure trainers are developing their competence within the role of cascade training for medical gases.

### Course Overview

A certified 2 day course including tuition, course workbook and practical demonstration. Assessment via practical demonstration and technical awareness exam. This course can be tailored to either portering or clinical staff. Delegates will receive personalised training plan, resources and ongoing annual support, including the following:

- Attendance list
- Exam
- Workbook
- Presentation

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## Bespoke courses available upon request

We understand that every organisation is unique, with specific goals, challenges, and learning requirements. That's why we also offer bespoke training courses and packages designed to suit your exact needs. Whether you're looking to enhance your team's skills, address industry-specific challenges, or achieve strategic objectives, our personalised approach provides the flexibility you need.

### Why Choose Our Bespoke Training Services?

- **Personalised Approach:**

We work closely with you to identify your goals, budget & challenges to align training content, timeframes and delivery method with your organisational requirements to ensure a seamless learning experience.

- **Flexible Delivery:**

Whether on-site, online, or a hybrid approach, we tailor the format and schedule to fit your requirements.

**Contact us today to discuss how we can create a training program tailored to your needs.**

**[info@medi-gas.co.uk](mailto:info@medi-gas.co.uk)**

# MediGAS UK

For more information or to receive a quotation, please get in touch:



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Don't take our word for it, check our reviews  
<https://www.medi-gas.co.uk/reviews>