

BOC Healthcare Gas Facilities Management

Complete control of medical gases



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Gas Facilities Management (GFM) is a service offering developed by BOC Healthcare Engineering Services. It enables BOC Healthcare to provide effective delivery, management and maintenance of all medical gases to your hospital's site, allowing you to concentrate on patient care.

GFM is a bespoke offering delivering medical gases at the right place in the right quantity and of the right quality directly to the patient's bedside, providing peace of mind that the medical gas system is being managed in the most efficient and safe manner.

Benefits

The benefit of a GFM solution is that we can help you manage your risks and responsibilities associated with the supply of medical gases.

Although we cannot take away your responsibility of the provision of services to users, we will ensure that your medical gas infrastructure is maintained and provided at optimum levels.

GFM gives a total solution to your medical gas requirement. It frees you from specialist gas handling and delivery issues to focus more time and resources on your area of expertise – specialised patient care.

- Removal of manual handling issues/risks associated with cylinders on wards
- Finance – Pre-determined outlay for the contract period
- Fully managed programme of plant/equipment upgrade
- Guaranteed compliance
- Project Management

Elements of the GFM Offer

BOC Healthcare can facilitate and project manage installation work, supply of medical gas pipeline system products and planned preventative maintenance/emergency cover.

The core elements involved in a GFM package are tailored to meet specific requirements. These elements can include:

Design

Complete provision or assistance in the design of medical gas pipeline systems (MGPS) to meet the current standards of HTM02 and clinical needs. Including:

- Calculation of flow rates
- Pipe sizing
- Plant sizing
- Manifold and cylinder store room sizing
- Ward based storage
- Recommendations for vessel positioning and locating of cylinder stores

Product specifications

Production of standard and bespoke specifications for any medical gas contracted work such as:

- Installation
- Maintenance
- Extension to existing systems

Equipment selection

Assist in the selection of equipment to ensure that it conforms to:

- HTM02-01
- BS EN ISO 7396:2007
- BOC Product Conformity Criteria
- DoH/MHRA Requirements
- Meets clinical needs and best practice

Installation

The management of the installation of medical gas pipeline systems and equipment, including:

- Installation testing
- Validation and verification
- Commissioning
- Setting to work
- Staff training



GFM ensures medical gases are delivered at the right place in the right quantity and of the right quality directly to the patient's bedside.

Note: Post installation, BOC Healthcare offers specialist services to assist operators in the ongoing running, maintenance and compliance of medical gas storage and equipment.

Operational policy

To assist with the documenting of an Operational Procedure, including emergency procedures as required by HTM02.

Preventive maintenance

A Planned Preventive Maintenance (PPM) scheme which would generally consist of 4 inspection visits per year by a trained service technician. Inspections and repairs are covered in relationship to fair wear and tear under normal usage, and this will safeguard all items of hospital equipment within the GFM contract, including:

- Labour
- Spare parts
- Consumables
- Emergency call outs

Guaranteed compliance

Ensuring that all hospital, equipment, documents and training provided complies at all times with the current regulatory standards.

Ownership

- Maintain all items to an agreed schedule and level with a guaranteed uptime of service.
- BOC Healthcare would maintain ownership and responsibility of the hospital and equipment within the GFM programme for the period of the contract.
- On completion of the contract the hospital would take ownership of the equipment and have the option of extending

the agreement and updating/renewing the primary components if required.

Cost amortisation

To spread the total cost of the contract over a defined period.

Emergency response

As well as PPM, a 24 hour emergency call-out contract will apply for all items of plant equipment within the contract. This is cover providing onsite response to mechanical/electrical breakdown of equipment and is fully inclusive of consumables, spares and labour.

Remote monitoring

- BOC Healthcare offers SENTINEL, an innovative Internet-based monitoring system designed to solve the problem of interpreting medical gas alarms and message delivery to the correct person.
- SENTINEL provides e-mail and SMS-based dedicated messages, via the Internet interface and dedicated server, to expand on or to interpret medical gas system alarms.

Pharmaceutical testing

- The GFM contract could include all the necessary pharmacy-tests relevant to the contract.
- We would employ the services of a qualified Pharmacists (QC) where necessary or use the services of the trust where applicable. Quality control of the delivery of medicines to patients remains the responsibility of the pharmacist, but we would ensure you have the relevant data to assess the standards.

For further information about the GFM package please contact:

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