

Medical Gas Pipeline Systems

Your trusted partner for service and
servicing, maintenance and management



About BeaconMedaes

BeaconMedaes is the global leader in end-to-end medical gas pipeline solutions (MGPS). Our expertise encompasses design, site surveys, installation, commissioning, preventative maintenance contracts and equipment servicing.

We have a successful track record of delivering projects of every scope and scale, from major acute facilities to small extensions and refurbishments. Whether you need medical gas systems for a public or private hospital, veterinary surgery or dental practice, with BeaconMedaes, you're in safe and experienced hands.



Unmatched service & support



BeaconMedaes offer the industry's most comprehensive technical support. Whether you have a question, a medical gas equipment repair emergency, or need a preventative maintenance program, BeaconMedaes is here for you 24/7 days.

Field service

Our large, rapid response field service force aims to be on-site at mainland facility within four hours of your call (travel times to remote locations may vary). With extensive industry knowledge, our service specialists can work on all other manufacturer's equipment. Trained to complete work on the spot, all technicians are certified Competent Persons (MGPS) and hold critical spares inventory in their boot stock, with the aim of completing repairs on the first visit to minimise equipment downtime.

Fast inventory supply

BeaconMedaes maintain the UK's largest available inventory of medical gas parts and our 42,000 sq. ft facility in Markham Vale holds more than £5m worth of products and parts. Our products are CE marked to the Medical Devices Directive including medical air plant, medical vacuum plant, AGS plant, gas manifolds, terminal units, medical gas alarms and valves, as well as architectural products such as area zone service units, pendants and bedhead trunking.

Medical gas equipment maintenance

The failure of any medical gas system component can cause the shut down of key areas of a facility. Properly maintained equipment is more reliable, reduces downtime, and saves expense in the long run. Our service and maintenance options help you to eliminate the risk of a fault developing.

Planned Preventative Maintenance

Our thorough Planned Preventative Maintenance (PPM) schedules ensure that equipment is regularly inspected and maintained. The PPM, based on best practices and manufacturers' recommendations, may identify necessary repairs which could prevent an unscheduled shutdown of the system.

Every asset on your MGPS is inspected using our MyMedGas platform (see page 6) and a pass or fail recorded in the history log. Problematic equipment is easily identified from the desktop dashboard, and emergency call outs or repairs are also logged.

We offer this service at a flat rate, invoiced per visit, or on a monthly or annual basis.

Corrective maintenance

Corrective maintenance is a repair of a piece of equipment to restore it to its proper operating condition. This is typically unscheduled work, requested by the customer or person performing planned maintenance. These types of repairs are not usually included in the PPM contract (although the PPM service may be instrumental in identifying the need for repair). BeaconMedaes offers competitive labour rates and OEM parts pricing, with a 90-day warranty.



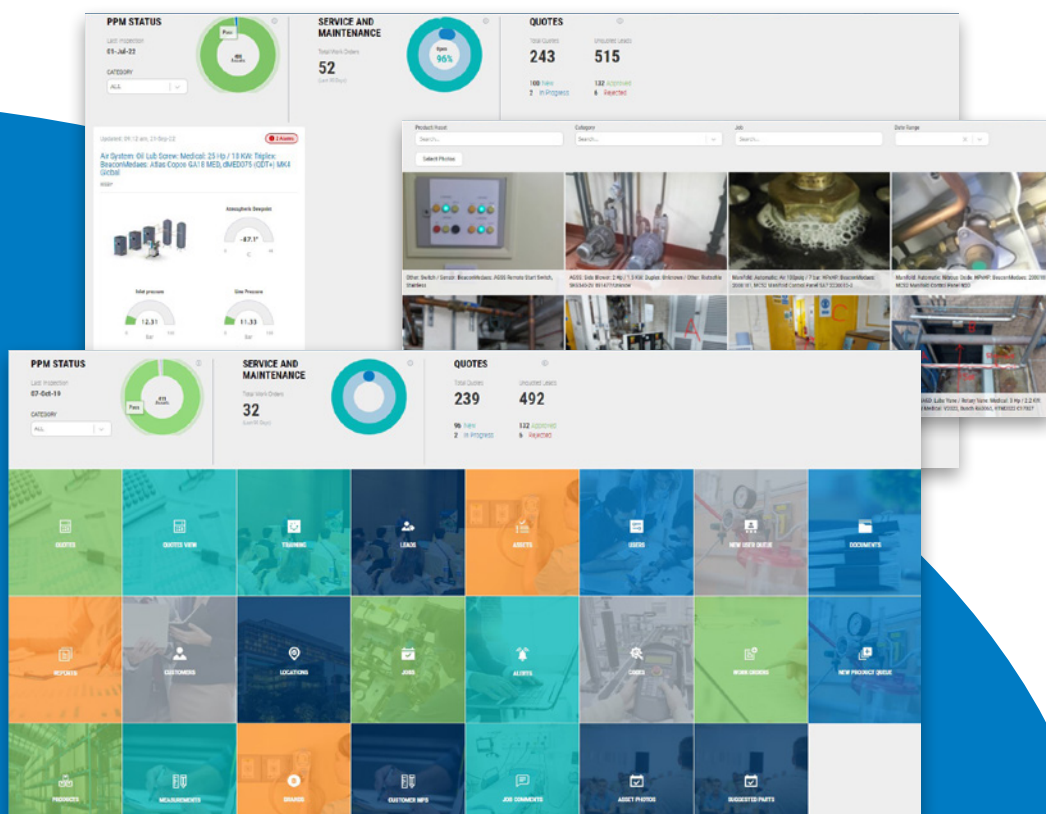
Contract options & extra works

Plant equipment requires annual, bi-annual or fixed interval overhauls to ensure it continues to operate correctly (recommended service intervals are set out in the OM manual). In addition to standard PPM contracts, BeaconMedaes provides optional maintenance contracts for medical air and vacuum plant maintenance.

Equipment	Service intervals
Vacuum bacterial filter change	Bacterial filters require annual replacement to prevent harmful bacteria reaching the pump unit and outgoing external exhaust system.
Air purity testing	Medical air is a classified drug and must meet the air quality standards set out in the European Pharmacopoeia monograph. We can arrange quarterly QC testing by a 3 rd party specialist.
Pressure relief valve replacement	HTM02-01 part B states that PRV's must be replaced every five years under a planned replacement procedure.
Pressure regulator replacement	Industrial standards state regulators connected to portable devices should be replaced every five years. Fixed regulator replacement should be changed at the same time as the PRV to limit gas disruption to the facility.
Manifold overhauls	BeaconMedaes manifold systems should be overhauled every five years. We recommend the overhaul is done at the same time as the mandatory replacement of relief valves to minimise gas disruption to the facility. We also recommend that regulators are replaced at the same time. Pre 2010 systems are not pressure rated for high pressure 230 bar E and EW cylinders. For those systems we recommend replacement with a new BeaconMedaes manifold system.
Tailpipes & NRV's	These should be regularly inspected by a hospital porter, and we recommend replacement every five years. Note, as copper tailpipes harden, they can split, therefore we recommend cupro nickel tailpipes.
Medical gas hose replacement	Due to the movement of pendant systems, medical gas hoses can deteriorate over time. Equipment manufacturers typically advise replacement every five years.
Outlet upgrades and retrofits	BeaconMedaes Gem Shield antimicrobial terminals can be used to replace older Gem 10 terminal units, including MK2, MK3 and MK4's.
Alarm upgrades and retrofits	The digital Medipoint alarm panel can replace older Medipoint 26 and 125 systems utilising the existing cables and back box. These new alarms use transducers so pipeline pressure can be monitored. An event log enables the facilities team to see a history of changes or alarms.
Dewpoint sensor re-calibration	On-site calibration check and validation of dewpoint sensor accuracy.
Pressure switch testing	Bi-annual testing of pipeline pressure switches to ensure operating parameters haven't drifted.

MyMedGas platform puts everything in place

MyMedGas is a flexible, reliable digital platform through which to manage your entire Medical Gas Pipeline System. A user-friendly information management dashboard visually tracks, analyses and displays key performance indicators, monitors the health and status of your assets, and provides intelligible reporting and insight.



— Asset management

Complete asset management function includes a detailed history log for each asset's lifetime – from initial installation all the way through to its replacement. Photos can be easily uploaded to the platform enabling reports to be more visual and meaningful than traditional text only based documents.

— Document library

Keep all critical compliance reports in one place, manage your own reports categories and get easy access to:

- Inspection Reports
- Deficiency Reports for management
- Preventative Maintenance Reports
- As-fitted and schematic drawings
- Certification

— Equipment history

See all historical information related to your equipment – when it was last checked, maintained, repaired, and what was done and by whom.

— Service requests

You can put in a request for services or quotes via MyMedGas 24/7.

— Equipment connectivity

Real life trending of critical equipment such as medical air and vacuum plant. MMG enables you to see the current status as well as any triggered faults or alarms on equipment installed with our Smartlink device.

To find out more about all our Medical Gas Pipeline System services please contact gbn.service@beaconmedaes.com

