

SHJ

MEDICAL GAS
SPECIALISTS

DELIVERING LEADING INNOVATIONS

INSTALLATIONS



OUR CUSTOMERS

We install and maintain Medical Gas Pipeline Systems at over 130 sites across the UK. Some of our customers have been with us since we began the business over 50 years ago. Our customers include:



WHO ARE WE?

Founded in 1967, SHJ is a leading supplier of medical gas pipeline systems (MGPS) and a market leader in remote monitoring and energy-saving technologies. We have been trusted by NHS and private sector healthcare providers across the UK for over 50 years.

We help our customers deliver a high-quality, reliable medical gas supply to their patients and meet their commitments to prove compliance with statutory requirements.



OUR COMMITMENT TO QUALITY

We work in accordance with our ISO 9001 and ISO 14001 systems. We have SSIP accreditations including Constructionline Gold, Alcumus SafeContractor and CHAS. We are experts in HTM 02-01 compliance.



All our engineers are directly employed by us and are fully trained to Competent Person (MGPS) level, with some trained to Authorised Person (MGPS) and Quality Controller level.



WHAT MAKES SHJ DIFFERENT?

- ✓ SHJ has been serving the UK healthcare industry since 1967. We are committed to building strong, long-term relationships with our customers.
- ✓ Our engineers are experts in their field. Directly employed by SHJ, some have been with us for many years. They pride themselves on building a deep understanding of your site and MGPS to provide a superior level of service.
- ✓ SHJ only uses the highest quality medical gas plant and equipment. You can rely on our products now and far into the future, and this enhanced reliability gives our customers great value for money.
- ✓ Our installations are fully warranted and all our SHJ-branded equipment is covered by our 5 year 'no quibble' warranty. This means that in the unlikely event our equipment has a fault, we will rectify the fault immediately and at no labour or material cost to the customer.
- ✓ SHJ offers a faster speed of supply than many of our competitors, meaning we can get your MGPS up and running quickly and efficiently.
- ✓ Our market-leading customer portal K'nect puts all plant management data at the customer's fingertips for easy reference 24 hours a day, making proving compliance with statutory requirements quick and simple.
- ✓ We invest heavily in R&D to remain at the forefront of our industry. Our innovative technology products, particularly in the AI-driven fields of preventative monitoring, predictive maintenance and energy saving, allow earlier attention to and remote fixing of faults before they cause equipment failure. Remote monitoring and maintenance not only help prevent clinical problems, but also save the cost, inconvenience and delay of waiting for an engineer to make a site visit.
- ✓ Short on space? Ask us about our unique containerised medical gas plant rooms, which offer hospitals a quick, flexible solution to their MGPS needs and an economical alternative to commissioning new building work.



INSTALLATIONS

Our installations service includes pipework for new and upgrade projects, medical vacuum plant, medical air plant, manifolds, medical gas alarm systems, monitored oxygen flow meters, laboratory gases and Anaesthetic Gas Scavenging Systems (AGSS).

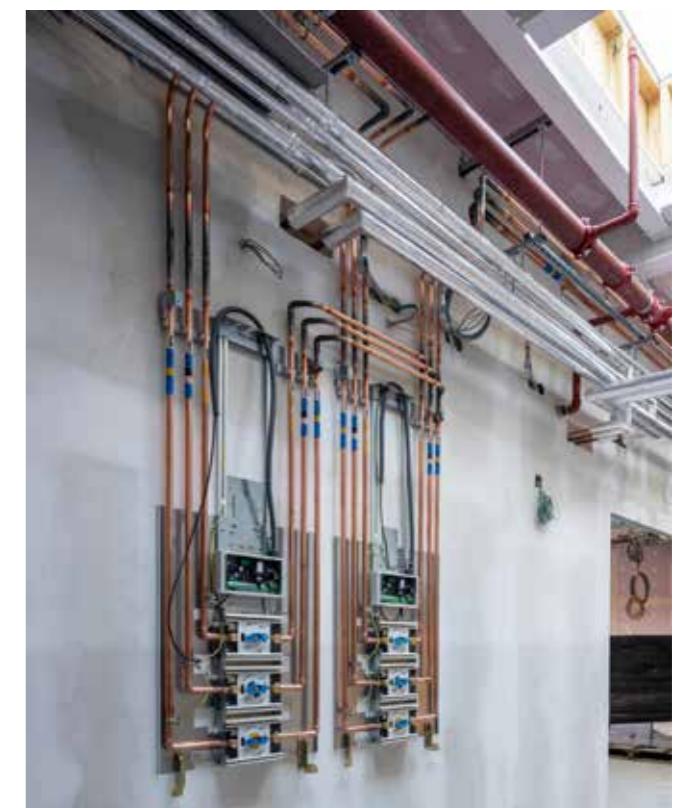
We plan each installation carefully with our customers, ensuring that our work causes minimum disturbance to hospital routines and is coordinated wherever possible with the work of other contractors.

We always strive to maintain a fully operational MGPS while carrying out work, and can supply a range of temporary solutions to prevent patient care being disrupted while plant is being upgraded.

Our installations are fully tested at each stage, and upon completion are certified in accordance with the requirements of HTM 02-01.

We have long-term relationships with a variety of suppliers, and can offer competitive rates for all items of MGPS plant.

We supply and install a wide range of medical gas alarm systems, including our own brand and other suppliers' brands.



LABORATORY GASES



We install the infrastructure for laboratory gases (nitrogen, helium, hydrogen, carbon dioxide, methane and mixed gas), vacuum plant and compressed air systems in research laboratories, using either copper or stainless steel piping.

We also take care of all associated plant, such as cylinder cages, gas detection sensors with automatic shutoffs and sounder beacons.

We offer a complete turnkey solution, working with our customers to meet their specific requirements.



MEDICAL GAS SYSTEM DESIGN

SHJ has a team of expert estimators, project managers and CAD engineers to design your refurbishment, upgrade or even an entire MGPS. Our service is available either as part of an installation project, or independently on a consultancy basis. We also offer a schematic drawings service for hospitals.

The design team generates Diversified Flow Calculations for each medical gas



required in the new installation, based on the planned usage and layout. We produce isometric drawings and recommend plant specifications.

We then prepare a detailed project proposal and quotation which sets out all the plant, pipework, materials and labour needed and addresses the site-specific

requirements for installation. A detailed cost breakdown gives an overall budget for the completed project.

EXPERT PROJECT MANAGEMENT

We have over 50 years of experience coordinating bespoke projects in NHS and private healthcare environments. From receipt of initial enquiry through to commissioning and final handover, our highly experienced installation team provides our customers with all the technical support they need.



We have dedicated project managers on hand for every project, overseeing it from conception to completion.

We will manage the entire project ranging from item replacements to the planning, design, installation, testing and ongoing maintenance of a complete hospital MGPS. We can work directly with our customers or in a supplier capacity with a contractor or sub-contractor.

Our project management services include:

- ✓ Detailed site and plant surveys
- ✓ As-fitted drawings with AutoCAD facilities
- ✓ Up to date asset registers
- ✓ Leading or directing engineering teams
- ✓ Planning and managing internal and external communications
- ✓ We can undertake Principal Contractor duties under CDM regulations
- ✓ Monitoring project progress against agreed milestones
- ✓ Preparing operation and maintenance manuals and as-fitted drawings
- ✓ Conducting post-project reviews
- ✓ Assistance with proving compliance
- ✓ We can provide our customers with an Authorised Person (MGPS) in the absence of their regular Authorised Person or where there is no directly-employed Authorised Person onsite.

COMPLETED PROJECTS



New plant alarm system, north Wales



Dental air plant, south Yorkshire



Oxygen infrastructure, north east London



3 storey modular build with containerised medical air and vacuum, west London



University laboratory gases installation, west London



New ICU and NICU, central London

ACCREDITATIONS

Our standards comply fully with the requirements of HTM 02-01: Medical Gas Pipeline Systems.



We are a Company Affiliate Member with the Institute of Healthcare Engineering and Estate Management (IHEEM).

We hold Alcumus SafeContractor and CHAS accreditation and are Constructionline Gold Members.

We operate a Quality Management System and hold NQA certificate 173626, which shows that we comply with the requirements of ISO 9001:2015.

Our engineers undergo continuous in-house product training, verified by our Reset membership.

We also have Cyber Essentials Plus certification.

We are Awarded Suppliers for both the NHS London Procurement Partnership and the NHS North of England Commercial Procurement Collaborative



NHS London Procurement Partnership
Building, Engineering and Maintenance Services Dynamic Purchasing System



Estates Maintenance & Engineering Services

TESTIMONIALS

"We have a very good working partnership with SHJ that's been developed over a considerable period of time. They are almost part of the furniture, and add real value to what we do on medical gases"

Shane King
Head of Estates Operations, Imperial College Healthcare NHS Trust

"We have been a customer for SHJ for just over a year. They are carrying out the medical gas PPM to a high standard, and always go above expectations to aid in compliance. SHJ have also installed a new air and vacuum plant, which was completed on a tight schedule, and accommodated complex shutdowns to meet the needs of the hospital"

James Hutchinson
Estates Manager, Doncaster Royal Infirmary

"Having worked with SHJ for over 20 years in my capacity as an Authorised Person (MGPS), I would like to take this opportunity to say how innovative they have been in their design and installation works. Their staff have always been outstanding and go above and beyond when attending to emergencies."

On at least one occasion when their on-call staff were busy attending to other emergencies at other hospitals, their Managing Director attended my site to sort my emergency. I would have no hesitation in recommending this company to any NHS organisation or private healthcare company"

Ron Bryant
ETA Projects

"I have worked with SHJ for more than 20 years, and they have never failed to deliver every project on time and to budget. The quality of workmanship and expertise is second to none. They always add vital detail to design, and long term viability to an installation. Their strategic approach to each project is an example to others"

Ian Svenson C.Eng., B.Eng., M CIBSE

"SHJ took on a complicated scheme that combined last minute instructions with a tight time scale. They rose to the extreme challenge, and accomplished it in their customary professional manner"

Wycombe Hospital



DELIVERING LEADING INNOVATIONS

Services Available

Installations

Refurbishments

Upgrades

PPM

Servicing

Emergency plant hire

K'nect portal: real-time web-based medical gas data management

FLO₂: oxygen flow rate monitoring and alerting

Evolution: medical gas alarm monitoring and alerting

AI-driven intelligent plant control and predictive maintenance

Nationwide coverage

24 x 7 x 365

4 hour emergency response time

5 year no-quibble guarantee

Fully HTM 02-01 compliant

**YOUR MEDICAL GAS
OUR RESPONSIBILITY**

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