



CASE STUDY

Dartford and Gravesham NHS Trust

Medical Gas Survey



Challenge

Dartford and Gravesham NHS Trust wanted to gain control of the medical gas infrastructure at their Darent Valley Hospital and ensure that the hospital's vital medical gas systems complied with all the necessary guidance and safety standards. To achieve this, they needed a medical gas survey, which would allow them to update their isometric and 'as fitted' medical gas CAD drawings.

Solution

We assigned one of our experienced medical gas specialists, who met with the trust to agree on the project's scope, schedule, and deliverables. The scope included capturing pipework data for seven medical gas services: Oxygen (O2), Nitrous Oxide N2O, ENTONOX, Medical Air MA4, Surgical Air SA7, Vacuum VAC & AGSS.

Once agreed, our team of surveyors attended the site. Using the existing 'as fitted' medical gas CAD surveys, they surveyed the areas in scope, confirming/capturing the location of the medical gas pipework. In total, we surveyed an area measuring 700sqm.

During the survey, we captured data such as the position of the medical gas services, pipe diameter, the direction of flow, locations of line valves, pressure-reducing sets, pressure switches, AVSUs, and alarm panels.

After completing the medical gas survey, the data was handed to our in-house technician to update the existing 'as fitted' medical gas CAD drawings, with each medical gas shown on a separate but continuous layer.

Once updated, the CAD drawings were saved in the trust's preferred version of AutoCAD and issued to them electronically in CAD and PDF format.

Outcome

The trust now has the accurate medical drawings it needs to remain compliant with HTM 02-01, and ensure the safety of staff and patients at the Darent Valley Hospital.



Why Choose Sircle?

Our specialist medical gas surveyors will work with you to understand what the starting point is to avoid unnecessary costs, reduce timescales and avoid site disruption. We will advise on whether the existing drawing can be used, where they are lacking detail or missing information and provide a detailed scope for the survey approach.

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