

NHS Louisa Jordan Hospital

Supporting emergency critical care in a global pandemic

Case Study





SCOPE

Air pressure control systems supplied to COVID-19 critical care hospital

- **WHO**

UK Electric

- **WHAT**

Air pressure control systems: EDT-1/3/5 C/W KITS and EDA-22/IP65 C/W

- **HOW**

Electro Controls

- **WHERE**

Glasgow, Scotland

- **WHEN**

April 2020

In early 2020, the NHS Louisa Jordan was a key part of the Scottish Event Campus (SEC) in Glasgow, the home of conferences welcoming delegates from across the globe. It was due to welcome the 26th UN Climate Change Conference in November but then COVID-19 changed everything.



Delivering a temporary hospital

The NHS Louisa Jordan is a temporary emergency critical care hospital created to deal with the COVID-19 pandemic in Scotland. Costing £30m with an initial capacity of 300 beds, and the capability of expanding to accommodate 1000 beds, the hospital officially opened in April 2020.

At Watts we responded quickly to supply safety critical air pressure products to the site. The initial order was received from our customer on site UK Electric at 9am on 14th April and the order was packed, shipped and delivered to site the following morning.

The supplied air pressure transmitter monitors analyse the air pressure in essential pipework such as oxygen supply. Managing the air pressure for these gases is crucial to the safe delivery of gases across the hospital.

James Turner, Regional Sales Manager for Watts explains: "The construction of the NHS Nightingale hospitals is undoubtedly one of the fastest and most important construction projects we have worked on this year. Our air pressure range of products is tried and tested in a hospital environment and ideal for fast deployment to the NHS Louisa Jordan.

Air and gas pressure monitoring is particularly important in healthcare environments to ensure the safe delivery of vital gases to key departments and we are proud to have a range that can be safely deployed to create essential hospitals in repurposed spaces such as the SEC Campus.

We work with every customer to ensure our products are available quickly, an aspect that was particularly important to UK Electric given the emergency nature of the project."



Watts Electro Controls Benefits

Our range is designed to monitor air, water and gas flow to ensure safety and efficiency of the system. Hospitals are increasingly high tech environments where safe monitoring of gases is vital to effective delivery of healthcare to patients.

Renowned for an extensive portfolio of HVAC and BMS controls, the Watts Electro Controls range also features measurement, energy management and safety and emergency products, suitable for both refurbishments, or complete project refits.

We can offer a fully bespoke service to suit your needs. With in-house design, engineering and manufacturing systems, products can be produced from start to finish, or variations can be made to our current products for your individual project. Whether you are a distributor, installer, contractor or OEM we have a solution for you.



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Air Pressure Control Systems



EDT Air pressure control systems measure vacuum, pressure or differential pressure of air and non-combustible, non-aggressive gases across fans, filters, air flow devices etc and give a 0-10vdc output signal linear across the range. Suitable for air conditioning, ventilation and building management systems.



EDA-22 systems monitor air flow, dirty filters, flue draught, frost on coils & level. For positive, negative, vacuum & differential pressure. Suitable for non-corrosive, non-combustible air/gases.



Watts

At Watts we have one of the widest product ranges in the industry and our products improve comfort, safety and the quality of life for people around the world.

Our range encompasses several well-known brands that form a key part of our product offer. Our experienced team can supply everything you need for your project whether it's plumbing or flow control solutions, water quality and conditioning or HVAC you'll find a Watts product that meets your needs with full support available across the entire product range.

For more information about Powerseat® or any of our gas safety products, please call 01480 407074 or email us on wattsuk@wattswater.com

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