

# Ysbyty Calon y Ddraig / The Dragon's Heart Hospital

Supporting emergency critical care in a global pandemic

## Case Study





### SCOPE

Frost sensors supplied to COVID-19 critical care hospital

- **WHO**  
H&C Contracts
- **WHAT**  
EOF-01 OUTSIDE FROST STAT -20/+30 W/PROOF
- **HOW**  
Electro Controls
- **WHERE**  
Cardiff, Wales
- **WHEN**  
April 2020

In early 2020, the Principality Stadium in Cardiff was preparing to host the Six Nations. An iconic sporting venue built to host the Rugby World Cup in 1999, the stadium is the home of Welsh rugby used to welcoming sports fans from across the globe but then COVID-19 changed everything.



## Delivering a temporary hospital

The Ysbyty Calon y Ddraig / The Dragon's Heart Hospital is a temporary emergency critical care hospital created to deal with the COVID-19 pandemic. The largest in Wales and the second largest such facility in the UK with an initial capacity of 300 beds when it opened in April 2020 before expanding to 2,000 beds.

At Watts we responded quickly to supply safety critical frost sensors to the site for our customer H&C Contracts. These are deployed to monitor and manage the heating and air conditioning system at the temporary hospital. The air conditioning system checks the outside temperature via these controllers before setting a suitable indoor environment temperature.

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. Designing and delivering effective air conditioning systems is challenging in a normal environment but delivering effective systems to these unique hospitals is an extra challenge.

Our air monitoring temperature range is tried and tested in a hospital environment and was ideal for deployment to the Ysbyty Calon y Ddraig / The Dragon's Heart Hospital to support the delivery of a comfortable temporary hospital. We work with every customer to ensure our products are available quickly, an aspect that was particularly important to H&C Contracts given the emergency nature of this project."

The 2,000-bed site is now in the process of being decommissioned and will be replaced by a smaller temporary hospital in October 2020.



## EOF Thermostats

EOF thermostats are used to monitor temperature outside buildings and switch heating/cooling or other units in the event of high/low temperatures. The EOF-01 is a single function unit.



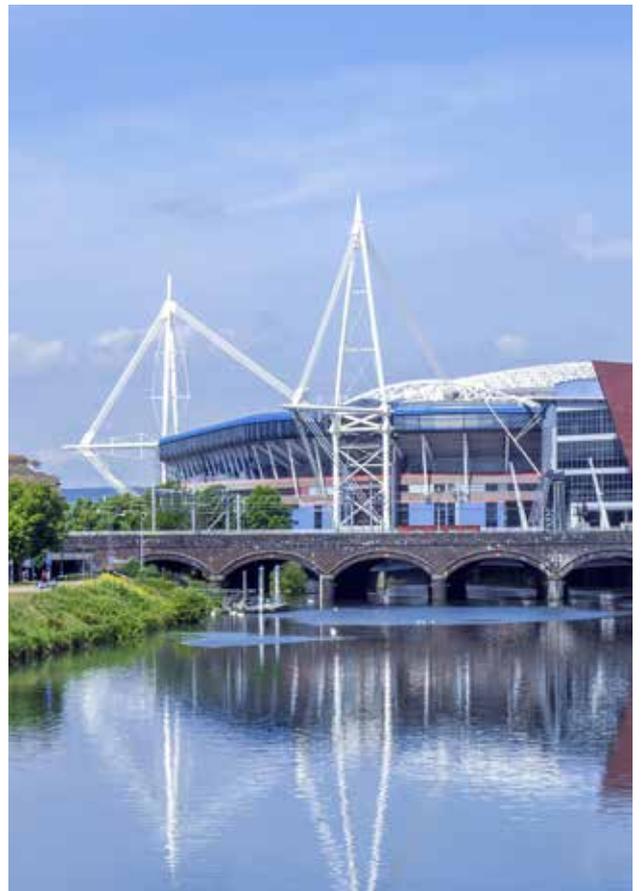
## Watts Electro Controls Benefits

The frost sensors used on the temporary hospital are designed to monitor the outside temperature to ensure the indoor environment is comfortable and that the system is working efficiently.

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.

At Watts we also 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.

*Stock imagery for illustration purposes*





## 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](mailto:wattsuk@wattswater.com)

---

The descriptions and photographs contained in this document are supplied by way of example and illustration only. Watts Industries reserves the right to carry out any technical and design improvements to its products without prior notice. Watts hereby objects to any term, different from or additional to Watts terms, contained in any buyer communication in any form, unless agreed to in a writing signed by an officer of Watts.

---



**Watts Industries UK Ltd**  
Colmworth Business Park, Eaton Socon, St. Neots, PE19 8YX, UK  
T: +44 (0) 1480 407074 • F: +44 (0) 1480 407076  
Email: [wattsuk@wattswater.com](mailto:wattsuk@wattswater.com) • Web: [wattswater.co.uk](http://wattswater.co.uk)