


**DATA** COOLING







A photograph of a data center aisle. On the left, there are several rows of black server racks. The racks are filled with equipment, and numerous small, colorful lights (blue, green, red) are visible, indicating active components. The perspective is from the end of the aisle, looking down its length. The right side of the image is a dark, solid background where the text is located.

In the co-location and hyperscale data centre market, uptime and energy efficiency are absolutely critical to success. Marginal gains in this arena can make the difference.

Airedale and Modine have an unrivaled pedigree in providing flexible, high efficiency cooling solutions. Our systems approach and ability to combine hardware and software ensures that your data center works smarter, not harder, to give you more cooling for less power and ensure a stable environment and availability 24/7.

# Better by design

## We innovate

We have a dedicated data center solutions team who are driven by a desire to push the envelope of what has gone before every time they start a project.

We optimize air and water temperatures and squeeze every last kW of cooling we can from our world-leading product portfolio in order to deliver more cooling for less power and footprint.

We take enormous pride in what we do and are trusted by some of the world's most demanding applications.

## We are Global

Airedale proudly manufactures in the US and is supported by a state-of-the-art manufacturing and R&D center-of-excellence in the UK.

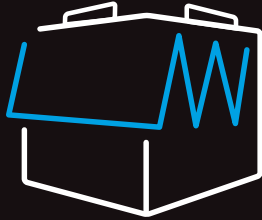
It is the values of US and UK engineering which provides Airedale with a platform to compete on a domestic and global scale. We are part of the Modine group, a global leader in thermal management.

We have a strong focus on R&D and have, throughout our history, consistently been trailblazers for industry innovation around our core development pillars of leading-edge technology, energy efficiency and the environment.

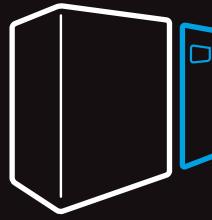
## We go further

Airedale understands that installing a cooling system is just the beginning. We support our equipment and our customers with maintenance, spares, training, upgrades, integrated systems testing, contingency planning and temporary equipment.

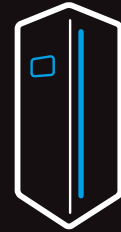
Our state-of-the-art software systems not only monitor your data centre systems, but also actively and continuously adjust their operating conditions to optimise energy efficiency, reliability and PUE.



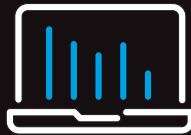
**FREE-COOLING CHILLERS**  
30–2000KW



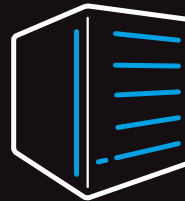
**PRECISION AIR CONDITIONING**  
DX/CW 16–500KW



**IT COOLING IN-ROW/ON-ROW**  
3–67KW



**SOFTWARE SOLUTIONS**  
BMS/HVAC OPTIMISATION/PMS



**AIR HANDLERS/FAN WALLS**  
180–400KW



**CONDENSERS/DRY COOLERS**  
3–1900KW



**COMPLETE SYSTEM DESIGN &  
COMPLEX PROJECT MANAGEMENT**



**TAILORED MAINTENANCE  
PACKAGES & TEMPORARY  
SOLUTIONS**



**INDUSTRY ACCREDITED  
HVAC TRAINING**



**we are responsible**







**We are now living on a planet that runs on data. Connectivity underpins everything we do and the data centre industry is constantly evolving to keep up with not only demand, but also its environmental responsibilities.**

At one end of the scale, data centres are getting larger, putting pressure on natural resources and supply chains. At the other end, technology advancements like AI are moving data processing nearer to the source, creating the need for flexible and powerful edge solutions.

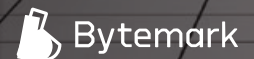
With growth comes responsibility. As data centres consume an increasing share of natural resources, the industry must work together with its supply chain to minimise its impact on the environment without compromising on availability.

Airedale's cooling solutions are designed to work smarter, not harder. We are passionate about energy efficiency and optimise air and water conditions to provide best-in-class PUEs without the use of adiabatic cooling.


We offer a choice of low GWP refrigerants and our R&D ethos is to always strive for green, efficient solutions.



# we are experts







**The Airedale Data Centre Solutions Team has been assembled to push the boundaries of data centre cooling systems in an era where more has to be done with less.**

**More cooling, more reliability, more innovation, more support, more collaboration, more server power, more data, more optimisation.**

**Less power, less impact on the environment, less downtime.**

**We are cooling experts, we are data centre experts. Let's talk..!**

”

**Jonas Caino**  
Head of European Data Centre  
Solutions, Airedale International









Airedale's manufacturing facility in Leeds is a one-stop-shop for leading edge HVAC solutions.

The facility features one of the largest and most extensive R&D centres in Europe as well as a training centre, sheet steel cutting plant, paint plant, coil plant, three production lines, test chambers and offices.



**530**  
employees



**2MW**  
test capacity



**2016**  
New facility opened



**23,000**  
sq. ft. facility





**Airedale International Air Conditioning Ltd**  
Leeds Road, Rawdon, Leeds LS19 6JY UK  
T +44 (0)113 239 1000 | E [enquiries@airedale.com](mailto:enquiries@airedale.com)  
[www.airedale.com](http://www.airedale.com)

