

HRS Hevac Limited

One of the largest suppliers of HVAC solutions and bespoke engineering packages.



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One of the largest suppliers of HVAC solutions and bespoke engineering.

Established in 1997 to concentrate on the expanding HVAC Market, and since then has become a major provider of built to order heat exchanger packages across a range of applications within the Building Services Industry.

In addition to our exceptional manufacturing facility based in the North of England, HRS Hevac offers a wide range of core products including Gasketed and Brased Plate Heat Exchangers, Domestic Hot Water Generators, Calorifiers, Chilled Water Buffer Vessels and Thermal Stores.

HRS Hevac has a broad depth of knowledge and experience of the HVAC industry within our organisation. This specialist knowledge has led to HRS Hevac Ltd becoming approved suppliers to many leading contractors in the Building Services Industry.



HRS Hevac manufacturing facilities - Halifax, UK.

HRS Group

HRS Group was founded in 1981. Our core business is heat transfer and its application in thousands of processes, spanning industries from HVAC to Chemical, Food to Pharmaceutical, Energy to Water and many innovative Green applications.

Our products and process innovation supports our customers in the things that matter such as energy efficiency and competitively priced products. We relish the challenges of a future where our core competence has never been needed more: to be able to provide any solution that suits our customers individual requirements.

With production capacity in the UK, Europe and Asia plus technical design and sales offices around the world (UK, Spain, Germany, USA, Peru, India, Malaysia & Australia) we are able to support a broad geographical base of customers



“We are committed to designing the future of heat transfer”

Steven Pither Group CEO

Core Product Range

Instantaneous hot water

HRS Hevac Gasketed Plate Heat Exchangers

Providing the best overall economic performance in terms of efficient heat transfer. Specifically engineered (in terms of fluid media, flow rates, dimensions, connections, etc.) for use within HVAC systems used in building services. Suitable for use with MTHW, LTHW, CHW or steam as the primary medium.



HRS Hevac AquaModule AMP - DHW Generator

An instantaneous domestic hot water system built around a high-performance gasketed plate heat exchanger. AquaModule AMP is a pre-assembled and compact module, incorporating PID controls, high efficiency pumps, safety and regulation devices.



Semi-Instantaneous hot water

HRS Hevac AquaSave - 6 Bar / 10 Bar – PID Controls

As a standalone product, the AquaSave range effectively reduces the boiler power and hot water storage volume required in traditional heating systems without reducing the output of hot water. Available duties up to 300kW, and standard sizes from 300 to 2,000 litres.



HRS Hevac AquaSave - 6 Bar / 10 Bar – No Controls

The AquaSave range without PID controls which allows for a more cost effective solution that offers wider integration into a BMS system. Available duties up to 300kW, and standard sizes from 300 to 2,000 litres.



Direct Storage Calorifiers

HRS Hevac AquaLEC Electric Storage Calorifiers

The standard range is manufactured from stainless steel, although copper-lined steel is available on request. The electric immersion heaters are manufactured with Incolloy elements and fitted to a brass element plate offering a hygienic, reliable long life. Supplied plain or fully insulated



Indirect Storage Calorifiers

HRS Hevac AquaCAL DHW Storage Calorifiers

The AquaCAL DHW Storage Calorifiers offer a high quality solution for domestic hot water heating. The standard range of 21 models are manufactured from stainless steel, with storage up to 6000 litres at 6 bar g. Copper-lined steel and higher specifications are available on request.



Water Storage / Buffer Vessels

HRS Hevac AquaSTOR and AquaPIV Storage / Buffer Vessels

The AquaSTOR and AquaPIV Vessels suitable for both Chilled & Heating Systems are manufactured from high quality mild steel, stainless steel or copper lined. Standard vessels range from 300 to 6,000 litres with working pressures of 6 or 10 Bar. Vessel height and diameter can be tailored to suit requirements.



Tailored Engineering Solutions

We have a bespoke engineering department and manufacturing facility which can tailor any customer design and requirement to produce unique PHE Packaged Systems and accompanying vessels. We opened our fabrication works to focus on the opportunities created by an increasing demand for complete packaged solutions, that have been built to order off-site for the M&E services in the industry.

Our packaged solutions are specified for all major projects including: stadiums, hotels, leisure centres, apartment buildings, office buildings, financial institutions, data centres, energy centres, educational buildings and hospitals.

We are proud to manufacture PHE Packaged Systems utilising apprentice trained coded welders and fabricators. Every Plate Heat Exchanger Skid Package is subjected to stringent Quality Assurance checks and full hydraulic testing prior to packaging and despatch. HRS Hevac offer Factory Acceptance Testing (FAT Testing) at our fabrication works should the customer and end client require this facility.

We have a wealth of experience in all areas of the HVAC industry, which includes technical support, design, Solidworks 3D CAD drawing for BIM & Revit compatibility, After Sales & Commissioning.



Designed and manufactured to high standards in the United Kingdom

Major Projects

Wembley Stadium

£800 Million Project

The national stadium and home to the England football team. The new Wembley encloses 4,000,000m³ inside its walls and under its roof. This is the equivalent of 25,000 double-decker buses or 7 billion litres of water.



Wembley Stadium

Our Plate Heat Exchangers supply the hot water for the under pitch heating. While our Instantaneous Hot Water Packages supply domestic hot water for the 2,618 toilets, 98 kitchens, 47 retail units, 34 bars and 8 restaurants.

Al-Brooq Residential Tower

£110 Million Project

The project's scope of work consists of a 45-storey residential tower located in the West Bay area of Doha, Qatar. The tower consists of 258 2 or 3 bedroom apartments plus spa facilities, a gym and club house, restaurant and a ballroom with conference facilities. The lower roof has an outdoor pool of 206 sq/m.



Al-Brooq Residential Tower

HRS Hevac supplied Plate Heat Exchangers providing a total of 3,500kW combined with 55,000 litres of stored water.

Major Projects

Zig Zag Building

£170 Million Project - Land Securities

A 17,500 sq/m of high-end commercial office space on an island site surrounded by restaurants, retail and an imaginative new public realm. Completed November 2015. It is now the London office for Deutsche Bank. Providing an imaginative take on traditional architectural values. From secure parking to spectacular terraces, shower facilities to smart heating and cooling. HRS Hevac supplied several bespoke skid mounted PHE packages to service the hot water requirements of the building.



Zig Zag Building

Twickenham Stadium

£76 Million Refurbishment Project

Twickenham is the home of England's Rugby Football Union. It is also used for national test matches and as a concert venue. The largest dedicated rugby union stadium in the world has capacity for 75,000 people, making it the second largest sporting venue in the United Kingdom after the 90,000-capacity Wembley Stadium.



Twickenham Stadium

HRS Hevac supplied Plate Heat Exchangers, Calorifiers and Storage Vessels to meet the increased hot water demands of the stadium

Major Projects

Wimbledon

£70 Million Project

Wimbledon is the largest single annual sporting catering operation (2200 staff) carried out in Europe. With 39,000 spectators in the grounds at any one time, 9 chiller units are required to supply 8 litres per second of fresh air (per person) which is pumped into the bowl to manage the environment.

HRS Hevac supplied 2 compact DHW skid mounted packages to service the requirement of the No1 Court refurbishment.



Wimbledon

Olympic Park Stadium

£537 Million Project

There are 995 toilets, and 35 catering outlets, to cover the 90,000 spectators. Therefore, lowering water and energy consumption was key to providing the optimum equipment for the huge tasks involved.

HRS Hevac provided DHW generators and buffer vessels to provide cost effective hot water for many of the services on site, for use at the 2012 Olympic Games and since the site has had a change of use for the local community.



Olympic Park Stadium

Project : The Shard

Contractor : Swift Horsman

The Contractor approached HRS Hevac with the issue that standard sized vessels and controls would not physically fit into the restricted height plantroom space allocated for the equipment. HRS Hevac's drawing office and technical team designed shorter vessels and changed the position of the controls and brazed plate heat exchangers accordingly to suit the space available.

The Contractor also required the option of a larger back up capacity for the show office and suites so immersion heaters were fitted retrospectively. HRS Hevac manufactured and supplied 13 x AS308 & 12 x AS208 bespoke AquaSave units to cater for the client requirements.

HISTORY

The Shard, also referred to as the Shard of Glass, is a 95-story skyscraper, designed by the Italian architect Renzo Piano, in Southwark, London, that forms part of the Shard Quarter development. Standing 309.7m high, the Shard is the tallest building in the United Kingdom.



Project : 22 Bishopsgate

Contractor : Michael J Lonsdale

The Contractor had concerns that the standard diameter of the vessels would not fit into the restricted access cupboards that had been built into the building. HRS Hevac then designed the hot water packages accordingly, making the vessels slightly taller with a smaller diameter. The vessels were then mounted onto a stand base to incorporate all the ancillaries required for each apartment

HRS Hevac designed and manufactured 32 x 300 Litre 49kW HRS AquaSave DHW Generators to suit the client's requirements within the apartments and 3 x 17,000 Litre Mild Steel AquaPIV Buffer Vessels and 2 x 732kW Skid Mounted DHW Generator packages to cater for all the hot water requirements of the building.

HISTORY

22 Bishopsgate is a commercial skyscraper under construction in London, United Kingdom. It will occupy a prominent site on Bishopsgate, in the City of London financial district, and is set to stand 278m tall with 62 storeys. The project replaces an earlier plan for a 288m tower named The Pinnacle. In 2015, the site was sold to a consortium led by AXA Real Estate and a re-design with a simpler exterior. The £1bn development is due for completion in 2019 is set to be the tallest tower in the city of London.



Reference List

Below is a short but diverse sample of our complete reference list which demonstrates the range of projects that HRS Hevac have been involved in.

SITE	SECTOR	PRODUCTS
Tottenham Hotspur FC	Sports Arena	PHE / Storage / SKID
Royal Wharf Phase 2	Residential / Offices	PHE / Site Works
38 Wilton Crescent London	Private Residence	DHW
World Business Centre Heathrow	Leisure / Aviation	DHW
Nec Resort World	Hotel / Leisure	Calorifiers
Radisson Blu Dublin	Hotel / Leisure	PHE / DHW
Moxy Hotels Heathrow / Stratford	Hotel / Leisure	PHE / DHW
Birmingham Children's Hospital	Hospital / Healthcare	SKID
Chase Farm Hospital	Hospital / Healthcare	PHE / Storage
Great Ormond St Hospital	Healthcare / Hospitals	PHE / DHW
HMP Belmarsh	Government / MOD	Calorifiers
Great Scotland Yard	Government	PHE
Lloyds London	Financial / Data Centre	PHE / Site Works
Queen Mary University	Education	District Heating PHE
Goldsmith's University	Education	Calorifiers
UCL New Students Centre	Education	PHE
Westfield Shopping Centre	Commercial Retail	DHW
Unilever Port Sunlight	Commercial Pharmaceutical	PHE / SKID
Astra Zeneca Energy Centre	Commercial Energy	PHE / DHW / SKID
Kidbrook Energy Centre	Commercial Energy	Storage / SKID
NUW Energy Centre	Commercial Energy	PHE / Storage
Wood Wharf	Commercial / Residential	PHE / Storage / SKID
The National Gallery	Commercial / Government	DHW

Product Key:

PHE - Plate Heat Exchangers
 DHW - Domestic Hot Water Generator
 SKID - Bespoke Skid Packaged System

Storage - Storage or Buffer Vessel
 Calorifiers - Storage Vessel with a Heat Exchangers
 Site Work - On site installation work



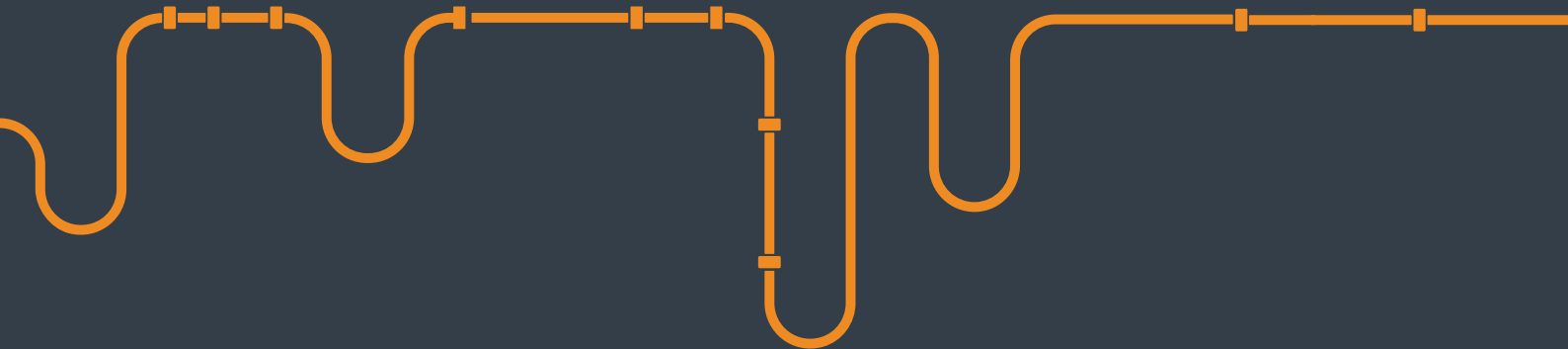
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