DSSR IS A FORWARD THINKING, AWARD WINNING FIRM OF CONSULTING ENGINEERS SPECIALISING IN ALL ASPECTS OF BUILDING SERVICES AND SUSTAINABILITY.

DSSR is a privately owned firm comprising 5 equity partners who are located across our 4 regional UK offices.

We have over 100 experienced people across our offices in London, Manchester, Glasgow and Harrogate. We believe we are positioned perfectly within the industry to provide our clients with a personalised service on all types and sizes of project from Condition Surveys to multi-million pound developments.

Formed in 1945 our services cover all aspects of the design, specification and site inspection of Mechanical, Electrical, Public Health and Lift Engineering Services for all types of buildings.

Our service has developed to include extensive use of electronic data for calculation, simulation and 3D drafting including Building Information Modelling (BIM).

DSSR has provided building services and sustainability consultancy, in all industry sectors, including many landmark projects.

This diversity of experience has allowed DSSR to develop a deep and far reaching knowledge of services requirements such that we are able to respond quickly and expertly to any Client requirement and challenge.

Collaborative working is at the core of DSSR's ethos and we strive to form integrated project teams, working closely with Clients and other Professionals to ensure the brief is met and projects are successfully delivered.



BRADFORD ROYAL INFIRMARY

VALUE: £20m

CONTRACT: NEC3 Option B

NEW HOSPITAL WING & CRITICAL CARE UNIT

The project for Bradford Teaching Hospitals NHS Foundation Trust's involved the development of their infirmary site to establish an accessible entrance, two new wards and a Critical Care Unit, along with recognition of the patient and visitor flows within the core of the hospital.

The development provided a new multi-level access for secure disability admittance, a new concourse with retail facilities, catering and coffee shops set around a central courtyard garden.

The new wards provide state of the art paediatric facilities and further elderly provision expanding the Trusts expertise in this area. The Critical Care Unit has 16 single bed spaces with two full isolation suites. Monitoring of the patients is maintained via the extensive use of smart glass which provides a barrier and can maintain privacy at the flick of a switch.

CAWard Winne 2017



Courtesy of Bridger Carr Architects - www.bridgercarr.com





Bradford Royal Infirmary -New Hospital Wing



WINNER 2017 Public Services Building awarded to

Bradford Royal Infirmary Duckworth Lane, Bradford



Award Winner

DSSR CONSULTING **ENGINEERS** FOCUS ON HEALTHCARE www.dssr.co.uk

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DSSR | CONSULTING ENGINEERS

PRACTICING **THE ART OF ENGINEERING**

TO ENSURE COMFORT. FUNCTIONALITY AND EFFICIENCY IN EVERY BUILDING



DSSR OFFER A TAILORED SERVICE TO A VARIETY OF HEALTHCARE CLIENTS INCLUDING NHS TRUSTS, DESIGN **& BUILD CONTRACTORS, PFI CONSORTIA AND VARIOUS** FRAMEWORKS.

DSSR have a wealth of retained experience to draw upon to make these projects a success. We work closely and successfully with our clients to deliver projects ranging from new imaging facilities, and operating theatre upgrades up to and including the UK's largest PFI Hospital , The Royal London Hospital, which was delivered ahead of programme and defect free.



DSSR STRIVE TO HAVE A POSITIVE IMPACT ON THE WORLD, PUTTING SUSTAINABILITY AT THE CORE OF WHAT WE DO.

We believe that delivering sustainable buildings for our stakeholders will make all our businesses stronger in the long run. The sustainability advice we provide is pragmatic, dealing with the specific needs of the end users, yet encouraging stakeholders to innovate and go beyond good practice levels where a clear benefit is seen and is economically viable. We use all of the latest tools in Environmental Simulation Modelling to assess the most appropriate sustainable solutions for your buildings allowing the results to be analysed before implementation.



DSSR IS COMMITTED TO THE SUCCESSFUL IMPLEMENTATION OF BIM AND FULLY EMBRACES THE BENEFITS OF ENHANCED **COLLABORATIVE WORKING.**

BIM is an integral part of our business ethos and we recognise the benefits to all of our Clients.

We have been involved with BIM for a number of years and have adopted the process on a number of projects dating back to 2009 and recognise the significant added value, over traditional design methods, of building BIM models, running simulations, designing out clashes, and handing over usable asset data.



CASE STUDIES HEALTHCARE

MANCHESTER JOINT HOSPITALS CSB 1, 2 AND 3

The refurbishment of existing laboratories within the Clinical Sciences Building at Manchester Joint Hospital.

This complex project was carried out in 11 separate phases to ensure the department could be kept operational with minimum disruption to it's service.

The accommodation consisted of Robotic and Automation Research Laboratories and Pathology Department.

DSSR are responsible for the full design of Mechanical, Electrical and Public Health Building Engineering Services.



WYTHENSHAWE HOSPITAL A&E EXTENSION

The major extension and remodelling of Wythenshawe Hospital ED in south Manchester including a new build extension and re-planning and refurbishment of the existing accommodation to create new major and minor treatment and resuscitation areas, paediatric treatment and resus areas and new entrances.

At all stages of the scheme's evolution, whilst working under the Trust's direction, close cooperation was maintained with the PFI team of SHML and Sodexho. In developing the scheme to respond to the Trust's clinical needs it was recognised that the operational requirements of the SMHC team had also to be respected in it's delivery through the P21 + framework.



LEEDS GENERAL INFIRMARY CLARENDON SUB STATION UPGRADE WORKS

The project comprised the replacement of substation main LV switchgear and standby generators whilst maintaining electrical supplies and generator back up throughout the works. A detailed engineering strategy was developed and agreed with the Client to demonstrate the phasing and logistical approach to this difficult project. The extension of one of the switchrooms was required to accommodate new switchgear so that existing supplies could be transferred systematically. New switchboards were built and energised in sections, and old switchboards de-commissioned and dismantled in sections to minimise disruption to the hospital.



ROTHERHAM URGENT CARE CENTRE

The refurbishment and extension to the existing single floor Accident and Emergency Department at Rotherham Hospital providing office accommodation on the first floor and plantroom space on the second floor. Affordability issues necessitated that the ventilation system be rationalised to operate from a single plant. This approach simplified both the control and plant arrangement within the plantroom.

Primary heating and water services were derived from the hospital's centralised heating and water distribution systems, with performance checks undertaken to verify the status and capacity of the existing plant to inform on the design approach adopted. The building is designed to achieve BREEAM 'Very Good'.



Rotherham Urgent Care Centre