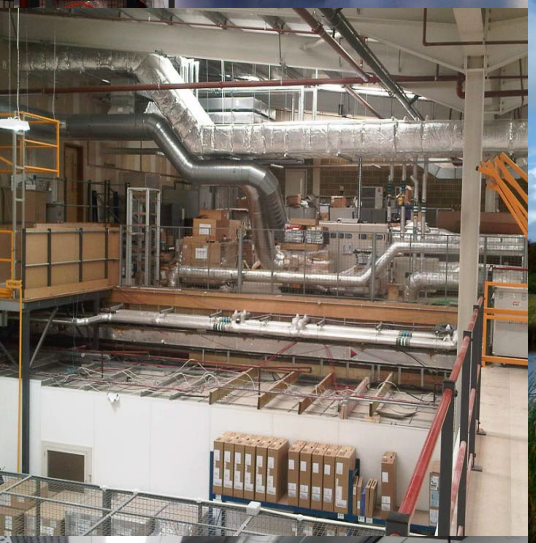
INDUSTRIAL

It is only too easy to focus on designing spaces that are geared towards maximising productivity; yet it is equally essential to consider at an early stage the needs of the people who drive that productivity and provision of support services to assist your entire business. From the basic fabric and maintenance of your facility, and security and safety issues, to the less evident productivity-boosting measures such as the refurbishment of rest areas or the provision of quality catering and hygienic workspaces, we are well versed in applying high quality solutions that will improve your performance




CooperVision
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UNIVERSITY OF SURREY, NEW TECHNOLOGY CENTRE

Project Value: £3,259,000

Surrey Satellite Technology Ltd is a new build project situated within the University of Surrey Research Park in Guildford. The build is funded by the University and will be leased to Surrey Satellite as a production facility. It is a 2225m² steel framed building, which has been purpose built as a new satellite production facility

UNIVERSITY OF SURREY, NEW TECHNOLOGY CENTRE

The internal area consists of a main satellite production hall, a secure seep rated area for secure satellite production and a third smaller satellite production area. To compliment this there are general laboratory areas, propulsion laboratories, flight assembly areas, a mission control area for control and monitoring of orbiting satellites and control bridge areas which overlook the production bays, various meeting rooms and welfare facilities. The majority of the satellite production and lab areas are built to clean room ISO8 standard

UNIVERSITY OF SURREY, NEW TECHNOLOGY CENTRE

Our role has been to provide a complete mechanical and electrical design and installation package. These works include the design and installation of the following: supply and extract air distribution systems to the clean rooms and general areas, LTHW heating system, CHW cooling system, air conditioning to mission control and comms rooms, compressed air system, nitrogen distribution system, domestic hot, cold and waste pipework system, HV power installation, LV power and sub-main installation, general power, lighting, data installation, fire alarm system to name a few

UNIVERSITY OF SURREY, NEW TECHNOLOGY CENTRE


TRANE
TRANE

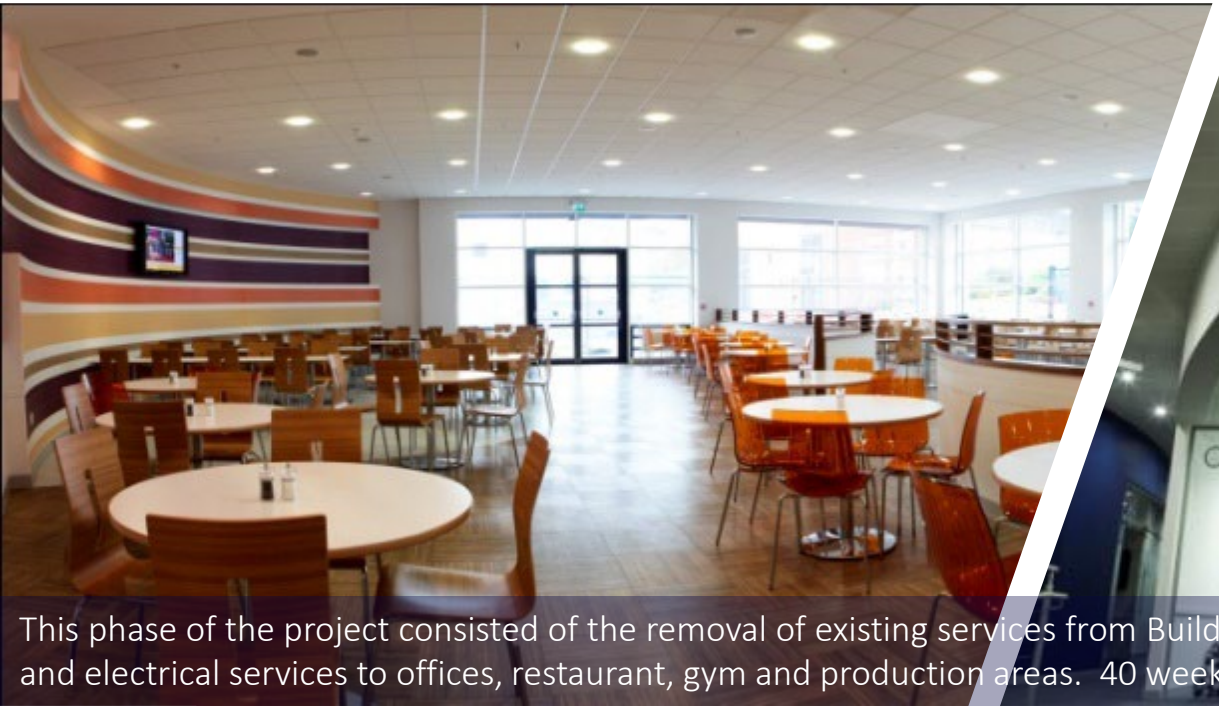
BRITISH AMERICAN TOBACCO - PROJECT HORIZON, SOUTHAMPTON

Project Value: £13,000,000

Following 12 months of open book negotiations, we were awarded the project for Project Horizon with British American Tobacco. The projects consisted of the removal of existing services from Building 17 and the installation of new mechanical and electrical services to offices, restaurant, gym and production areas; the upgrading of services within Building 18; provision of services to new laboratory areas and an upgrading of services within Building 27. The overall value for Project Horizon (Phases 1, 2 and 3) was £13 million

BRITISH AMERICAN TOBACCO - PROJECT HORIZON, PHASE 1

Project Value: £5,752,357



This phase of the project consisted of the removal of existing services from Building 17 and the installation of new mechanical and electrical services to offices, restaurant, gym and production areas. 40 weeks contract duration

BRITISH AMERICAN TOBACCO - PROJECT HORIZON, PHASE 1

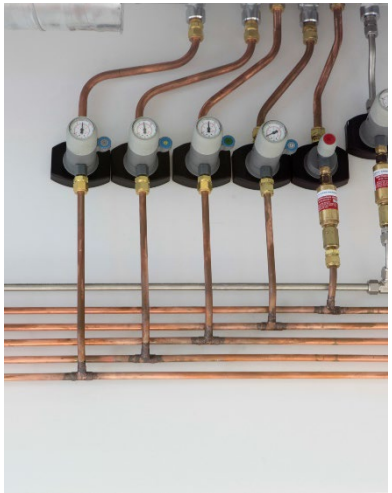
BRITISH AMERICAN TOBACCO - PROJECT HORIZON, PHASE 2

Project Value: £4,992,398

Following the successful completion of Phase 1, we were awarded the project for Phase 2. This part of the Phase 2 project consisted of the upgrading of services within Building 18; provision of services to new laboratory areas and an upgrading of services within Building 27. All works carried out within occupied facilities, maintaining 'business as usual' at all times over an 86-week programme period

BRITISH AMERICAN TOBACCO - PROJECT HORIZON, PHASE 3

Project Value: £951,655

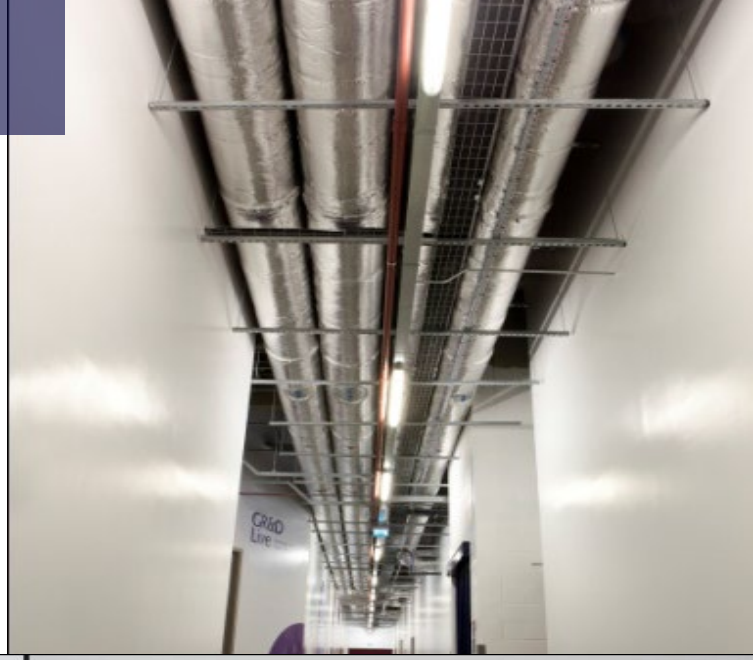


Phase 3 of the works at BAT consisted of the auditorium, development studio, pallet store and 18/27 reception. The auditorium has approximately 300 seats. This is served by an air handling unit located on the roof with a system of ductwork to provide conditioned air to maintain 22°C within the space. The air enters the room via floor diffusers located under the seats with additional air being supplied by 2no low velocity supply units. Acoustic treatment has been provided to achieve 25nr

BRITISH AMERICAN TOBACCO - PROJECT HORIZON, PHASE 3

Project Value: £951,655 over 30 weeks

BRITISH AMERICAN TOBACCO – BUILDING 17 DATA CENTRE
Project Value: £502,000



We installed a new chiller on the roof which is linked via a pump to the new Data Centre, where it will be passed through the HACs. HACs are data cabinets which are fed directly through the frame of the unit with chilled water, therefore cooling the units rather than cooling the surrounding air. We installed new power supplies to the Data Centre via a generator backed UPS system. The system will auto changeover in the event of power loss

VESTAS, ISLE OF WIGHT
Project Value: £1,400,000

New build state of the art technology centre, wind turbine manufacturing facility, located on the River Medina, Isle of Wight. 12,000m2 steel frame purpose-built manufacturing area, with 1,200m2 office complex constructed on green field site. The internal areas consist of blade mould and finishing shop, blade tip shop, machine workshop, wood shop and foam shop. Full welfare facilities with two storey office complex, all to manufacture multiple length blades up to 70m long. The factor is complemented with an internal RANDD testing facility workshop.

We provided the complete mechanical services including the design and installation of the following: displacement supply and extract air ventilation and general air ventilation to the factory and non-process areas, vacuum, resin and compressed air system for their processes. Dedicated dust extraction to central plant, wood shop dust extraction to central plant, industrial gas and process water and wash downs, LTHW heating and CHW cooling system, refrigerant, air conditioning, domestic hot and cold-water system, waste systems and building energy management system

DO & CO LTD, GIRLING WAY, HEATHROW

Phase 1: £1,192,675 Phase 2: £415,502 Phase 3: £1,050,000

Total value: £2,658,177

New food processing facility for the airline industry, constructed within an existing operational site. A fast-track new build extension for Do and Co Ltd. We had previously executed two similar projects for Gate Gourmet and were selected as their services partner for this new facility.

The works included cold room cooling systems, process cooling water for production, gas and compressed air services. Particular attention and co-ordination was required with the location of plant due to constraints of available space. Upon completion of Unit 3, the second floor of Unit 2 was stripped and refurbished to provide a new production line linked with Unit 3. The refurbishment included new coldrooms, process cooling to an AHU, gas supplies and extract hoods, eight fans along with modifications of existing kitchen preparation areas and fire suppression systems to cooking ranges

DO & CO LTD AND GATE GOURMET, GIRLING WAY, HEATHROW

Project Value: Unit 2: £415,502 Unit 3: £1192,675

Total value: £1,608,177

A fast-track new build extension for Do and Co Ltd. We had previously executed two similar projects for Do & Co Ltd and were selected again as the services partner for the new food processing facility due to previous performance and quality.

Upon completion of Unit 3, Girling Way the second floor of Unit 2 was stripped and refurbished for a new production line linking with Unit 3. The refurbishment included new coldrooms, process cooling to an AHU, gas supplies and extract hoods, 8 no fans along with modifications of existing kitchen preparation areas and fire suppression systems to cooking ranges. Installation included bespoke cold room cooling systems, process cooling water for production, gas and compressed air services

LE CORDON BLEU COOKERY SCHOOL, LONDON
Project Value: £1,500,000

Le Cordon Bleu have relocated their training school to a refurbished five storey office in the west end of London, which will become their global training headquarters. The building has been fully refurbished and includes eight number training kitchens, two number. demonstration kitchens, classrooms, office area and staff changing rooms. We installed mechanical services and controls including VRF air conditioning systems, fire rated kitchen extract systems, fresh air systems, HWS, CWS, LTHW and drainage pipework. All served by two number plant areas, one number in the basement, comprising of AHU, chiller, cooling tower, close control units, water systems and hot water generators and the second at roof level with extract fans and VRF condensers


LE CORDON BLEU
PARIS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HEWLETT PACKARD, READING
Project Value: £500,000

The scope of works included the replacement of multi-split air conditioning systems in Bridge Rooms and the replacement of Computer Room air conditioning systems in Disaster Recovery Data Centres. The project evolved around a R22 refrigerant replacement programme and developed into a general upgrade regime in order to maintain systems resilience and deliver operational cost savings. Equipment from Mitsubishi's unique replacement technologies power inverter heat pump range was utilised in order to retain refrigerant pipework, thus reducing overall costs and disturbance. Because of the nature of the business, we precisely programmed works so as not to cause detriment to business continuity

ERICSSON TELEVISION, HEDGE END, SOUTHAMPTON
Project Value: £2,900,000

An existing two storey office, research and development and distribution facilities building located in Hedge End Southampton. The project involved the refurbishment of part of the building; upgrading existing services and the installation of additional services, with the fit out of an already built two storey extension including all new services with separate circuits from the existing and to be upgraded mechanical plantroom and main electrical switchroom

ERICSSON TELEVISION, HEDGE END, SOUTHAMPTON

The services throughout the building included the Mechanical Services - Heating, chilled water, domestic hot and cold-water services, cold water mains, gas services, VRV air conditioning, close control cooling, supply and extract ventilation, dedicated extract systems, toilet ventilation, leak detection systems and building management controls system. Electrical Services - Small power, mechanical services power, switchroom upgrades, lighting, lighting control and data cabling installation

COOPERVISION, CHANDLERS FORD, SOUTHAMPTON
Project Value: £841,548

We undertook the installation of mechanical and electrical services in two phases. Phase One included the enabling works to the existing production area of contact lenses, works included cutting in and carrying out new installation of valve sets into chilled, heating and domestic services.

Phase Two new build extension of approximately 1,300m2, providing an extension to the contact lenses cleanroom production area. Works included chilled, heating, ventilation and domestic services with all new air handling plant above the ceiling, suspended from the existing roof structure

COOPERVISION, CHANDLERS FORD, SOUTHAMPTON
Project Value: £140,000

The design and build of bespoke clean room testing facility for contact lense production equipment. We undertook the design and build of the mechanical and associated electrical services including hepa filtration, stringent, pressure and temperature control amounting to certification to Class 100,000. The clean room was constructed within an existing facility providing some 350m2 of clean room space

PROLOGIS, SEGENSWORTH – BULL CARD SYSTEMS
Project Value: £1,260,000

This pre–designed mechanical services project in Fareham, Hampshire was a new build manufacturing facility on a green field site. Our involvement was at pre-design stage with the Consultant right through to securing the maintenance contract upon completion. The project was a mixture of process plant, chilled water and DX air conditioning

PROLOGIS, STOCKLEY CLOSE, WEST DRAYTON
Project Value: £243,000

The design and build of mechanical and electrical services for two new light commercial industrial units with air-conditioned office accommodation. The project is part of the continued development of the Stockley Close site by SEGRO

PROLOGIS PARK, CROYDON
Project Value: £312,921

This project was a design and build project with the mechanical services entrusted to ourselves. We were involved from concept, through to handover and our brief included bringing all the utilities to this green field development

EUROPEAN CENTRE FOR MEDIUM RANGE WEATHER FORECASTS, READING
Project Value: £923,833

The European Centre for medium weather forecasts operates a large multivendor computing environment which uses chilled water to cool the computing equipment 24/7/365. The project comprised of the installation of a steel platform, energy efficient dry coolers, 2 no. PHE/pump packaged plantrooms, controls, pipework and electrics. Following commissioning the new equipment provides 'free-cooling' for approximately 70% of the year

RAILTRACK, READING
Project Value: £210,000

Extension of an existing building to accommodate a train driver's simulator building and classrooms for Network Rail. The building services installation comprised of LPHW heating services, air conditioning services, mechanical supply and extract ventilation, installation of sanitaryware, plumbing services, hot water distribution systems, water mains, public health services, BMS controls and wiring, lighting and power services, emergency lighting, mains power distribution, fire alarm services, lightning protection and data installation

DIAMOND LIGHT SOURCE, OXFORD
Project Value: £186,000

Scientific facility which supports groundbreaking research into physical and environmental services. Our works within this building consisted of fitting out two new experimental hatches. The mechanical services installation included process plant and ventilation to clean room and experimental hatch. Particular care and coordination was required as existing hazardous plant had to be incorporated into our experimental hatch

EAST KENT RE-SIGNALLING CENTRE, GILLINGHAM
Project Value: £207,750

The refurbishment of East Network Rail's Kent Signalling Control Centre Works was secured as part of continued repeat contract awards from a main contractor on a Network Rail framework agreement. All installation works were required to be carefully co-ordinated and installed within an existing occupied building with no disruptions to the client. The refurbishment works involved new lighting installation and power, earthing, sub-mains, cabling containment systems, fire alarms, CCTV, intruder detection, communications containment, domestic services, sanitaryware installation, fan coil unit modifications, controls upgrade and validation of existing services

RANDALL PARKER FOODS, ANDOVER
Project Value: £1,900,000

This is a new build extension onto the existing meat processing factory. Randall Parker Foods prepare meat at their factory at Tillydown, near Andover for refrigerated distribution to the retail trade for resale. The new build comprises of new meat process areas, administration and welfare areas, and are served by mechanical, electrical and public health services to support the new areas, steam and compressed air to support new and existing buildings from free issue plant, special clean room and cold area grade mechanical and electrical installations and refrigeration


OUR
MEP Co.