design | build facades
OVERCLADDING SPECIALIST

The Building Safety Act - compliance

Skills, knowledge, experience and behaviours

To comply with The Building Safety Act clients must take reference from past performance (including failures) to establish competency.

+30 years Design Build with **zero failures** with every project set to continue to perform for generations to come.

design build facades have accumulated, developed and refined their system & service for more than 30 years with over 150 successfully completed, fully 2020 compliant projects, with zero failures or litigation, our accumulated Skills, Knowledge, Experience and Behaviours (SKEB) is unrivalled within the industry.

Our extensive portfolio of accomplished, zero-failure contracts partnered further by our '***design + build***' reputation over the last 30 years of consistently meeting the most stringent building legislation provides both empirical and undeniable evidence of our capabilities and the standards to which we impose upon ourselves.

Less well advertised is our prowess to obtain the most challenging projects; but impressing repeatedly that the proposal is delivered on time, within budget and, most critically, ensure minimal disruption to the normal use of the building, and we always encourage prospective clients to take reference from the host of comparable prior projects to inform their decision on how best to proceed. Our prolonged success can be equally attributed to our ability to avoid being drawn into ambiguous contracts that purport to be '***design + build***' but are in fact 'traditional', prescribed schemes, where the contractors' true responsibilities are to 'build' what has been chosen by others. Allow us to '***design + build***' and we will provide an uncontested, accredited warranty of 25 years and an unquestionable certainty of outcome.

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OVERCLADDING SPECIALIST

Our coverage within the industry is extensive; we boast a wide variety of completed projects ranging from Local Authorities, Housing Associations and Education to Healthcare and Commercial clientele. We are an established and dexterous consummate specialist in our field, all whilst continually setting the standard for industry-leading execution and practice.

At design build facades we offer a true 'turnkey, ***design + build***' service, where we take universal responsibility for what we do and implement a *'fit-for-purpose'* archetype from early conception to final completion. Our aims always are to collaborate efficiently with the client team and to procure all the requirements necessary to deliver quality projects quickly, further supplemented by minimal time constraints. We additionally run statutory approvals concurrent with survey and design, which routinely meet budget and programme requirements.

Being innovators in external refurbishment, we have delivered some of the most complex overcladding projects in the UK, including being one of the first to overclad a live hospital building, as well as providing ground-breaking solutions to enable projects to proceed, such as dual-building structural reinforcement and overcladding, novel textured finishes replicating the appearance of concrete, glass and metal walls all in an assortment of colours.

If you want to move quickly, and with an assured certitude of result all at the best price, please contact Cliff click here.

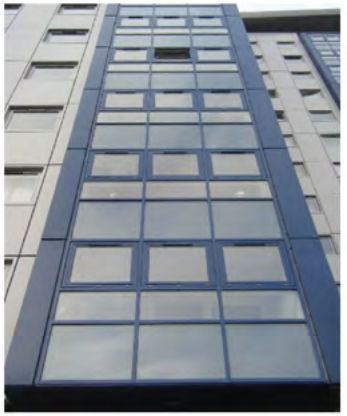
VALUES + PRACTICE

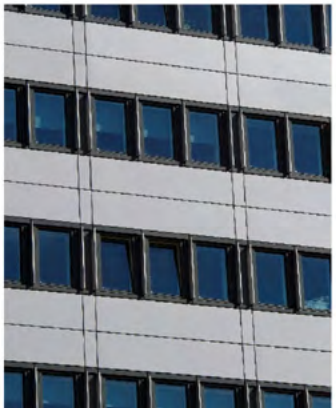
Appreciative of recent turbulence within our industry, it could be assumed that drastic changes would be implemented with immediate effect within our business, however we embraced the principles of the Hackitt Report 30 years before it was written.

Our proprietary system is proven with zero failures. We do it once, properly.

At design build facades we focus exclusively on external refurbishment and repurposing. We do not entertain any prospective new build undertakings. With this said, if you determine that our capabilities are appropriate, our all-encompassing service provides every client with the alleviated responsibility from design to handover, and the additional peace-of-mind that full confidence can be invested in our duties.

Certainty of project outcome emanates from getting the design right. Design is our intrinsic core competence, augmented in conjunction with other specialists we have worked with successfully including the acclaimed Curtin's Structural Engineers.





Our pre-existent non-combustible aluminium rainscreen system exceeds current BR135 legislative standards and is future-proofed against the evermore rigorous standards being introduced. It's maintenance-free design life exceeds 60 years and is proven for more than 30 years with zero failures, accompanied with the robust 25-year warranty outlined previously.

Furthermore, quantitative data explicitly highlights our system can deliver heating energy savings of 70% with proportionate savings in operational carbon emissions.

WARRANTY

Industry-leading 25 year warranty.

Cladding product warranties provide a indicator of long-term cladding performance. Importantly, they expose the supplier's confidence in their own product - they alone have the expert, exclusive knowledge in respect of their product's history and testing data used to predict long-term product performance.

Our system has been installed for over 30 years on more than 100 mid-to-high-rise buildings across different market sectors which is an unrivalled body of proven performance.

WARRANTY

Aluminium Rainscreen Cladding System

design build facades

Building Name:

Address:

Employer:

In accordance with the terms and conditions and responsibilities within the Contract Agreement ("The Agreement") between design build facades ("dbf") and ..... ("The Employer/Beneficiary**"), dbf hereby warrants that subject to the Employer/Beneficiary* complying with the terms and conditions overleaf and any project specific requirements set out in the registration form, the design build facades' aluminium rainscreen cladding system ("the dbf system") has been manufactured by, or on behalf of, dbf to meet the project specification and when correctly installed by, or on behalf of, dbf will perform as stated in the dbf's project-specific technical literature and will remain fit for the purpose stated in dbf's project-specific technical literature for a period of 25 years with no substantial failure. Substantial failure means a significant breakdown in the system such that performance, appearance or structural stability is critically impaired.

Signed by:

Date:

On behalf of design build facades

* delete as appropriate

design build facades, The Packway, Larkhill, Salisbury, Wiltshire SP4 8PY

design | build facades

Past performance is the best indicator of future performance.

Zero failures in the product's entire history gives us the confidence to offer:

- Industry-leading 25-year warranty for our proprietary aluminium rainscreen system.
- Covers failure of performance, appearance and structural stability.
- Comprises cassette panels, supporting rails, trimmers, fixing brackets and window pods.
- Uncontested by any other widely used overcladding competitor designed and installed in the UK.
- Throughout the history of the product there have been zero claims under warranty.

Project Teams

Pete Hillyard
Managing Director

Pete has more than 30 years' senior management experience within the construction industry predominantly in high-rise refurbishment. Seventeen years as Contracts Director with Allscott (CES) Limited, a design and build curtain walling and cladding contractor, before founding design build facades (formerly d+b facades) in 2001.

He has managed the controlled growth of the Business throughout, focusing exclusively on external wall system refurbishment projects and seen design build facades become market-leader. He has successfully delivered 50+ external refurbishment projects across the UK within the past six years alone, almost all were occupied buildings. He leads every project through early concept and detailed design.

Qualifications

BSc Civil engineering

Cliff Woodhouse
Business Development Director

Cliff has worked within the construction industry for 38 years and has been delivering A1 rated cladding projects across the UK for over 30 years.

He has worked for several specialist refurbishment contractors in both the Social Housing and Civil Engineering sectors. Cliff joined design build facades in 2004 and is oversees Contract and Business Development across the company, ensuring we deliver clients high-quality, safe and compliant projects which embody our value of 'Do it once. Do it Right'.

Qualifications

BSc Construction Management

SMSTS

First Aid

Paul Brightey
Commercial Director

Paul has over 30 years in the cladding industry. He joined design build facades in 2002 having previously worked with Pete Hillyard for five years at Allscott. Paul's early career was spent working in various Contracts and Quantity Surveying roles for Main Contractors including Balfour Beatty, Mansell and Mowlem.

He is involved in all commercial matters regarding every design build facades projects from precontract award through to completion. He has early involvement in the design includes pricing, working with the client team to develop the cost plan, impact of scope changes from budget to actual and provision of specialist sub-contract services.

Qualifications

Diploma in Quantity Surveying ACI0B

SMSTS

Gerry Hughes
Procurement Director

Gerry joined design build facades in 2002 having previously worked with Pete Hillyard at Allscott since 1986. Gerry is involved in procurement & co-ordination of material deliveries to sites and also manages our supply chain partners. He ensures all sites are serviced with the materials and components necessary to achieve build programmes on each of our numerous sites.

Qualifications

HNC in Mechanical Engineering

Simon Enticknap
Construction Director

Simon has spent the past 15 years in the Building and Building Services Industry, managing overcladding projects across refurbishment and new build sectors.

Simon started in mechanical, electrical and plumbing services, before moving into management of large, complex construction and cladding projects.

His skill for ensuring the right teams for the right jobs has successfully ensured our projects have all been delivered with zero defects, to programme and on budget.

Qualifications

NVQ3 Complex refridgeration + Air Conditioning systems

Electrical Installation

SMSTS

IOSHH

Asbestos awareness

First Aid

Project Teams

Stephen Beggs BEng (Hons), CEng, FIStructE
Project Director

PROFILE

Stephen holds the position of Business Unit Director in the Bristol office where he leads a team of 20 Civil & Structural Engineers. Stephen has developed his 30-year career working in and around the South West and South Wales area in both the public and private sectors developing his skills as a Team Leader and ensuring projects are delivered efficiently through his technical experience and competent management of his staff.

His design and delivery experience is broad, including buildings in all the main building materials, and sectors including offices, culture, leisure, public buildings, hospitals, schools and universities and private houses.

Stephen takes an active approach to promoting engineering both inside and outside of the construction industry and leads Curtins' national approach to carbon reduction, and has presented to audiences throughout the UK on our industry-leading approach to embodied carbon measurement.

PROJECT EXPERIENCE

Bristol Royal Infirmary
The project comprised of the design of the aluminium over-cladding for the Upper Maudlin Street façade of the Queens Building. Constructed in the 1970s, this 6-storey reinforced concrete frame structure had had its ornamental concrete decoration removed two decades earlier for safety reasons and, as the main entry point for the public, was a poor advertisement for the hospital campus. The new aluminium over-cladding comprises of powder coated aluminium and glass panels fixed to extruded aluminium rails, which in turn are supported by aluminium brackets fixed directly to the concrete structure with stainless steel resin anchors. Cavity insulation was installed behind the cladding and a 3-storey high aluminium clad open steel screen was designed to sit in front of the façade to complete the architect's international award winning design.

Buildings A-N, University of the West of England
In 2023 we were appointed to work with a multi-disciplinary design team for the design and delivery of buildings A-N including the Student Centre on campus to create a new 'home' along with improved wayfinding and connectivity across the campus.

University of the West of England, Student Residences (Phase 1)
Team leader for delivering 400 student bedrooms utilising townhouse style blocks with modular steel frame and reinforced concrete substructures. Through working closely with the client, design team and contractor, the project was delivered to a tight delivery programme and has been welcomed by students and client alike.

University of the West of England, Student Residences (Phase 2)
Following our successful completion of the Phase 1 scheme in 2014, Curtins developed an improved layout for the Phase 2 residences that achieved better land use for the client and enhanced the setting of the 400 accommodation units.

Curtins

James Williams MEng (Hons)
Senior Engineer

PROFILE

James holds the position of Senior Engineer having joined Curtins as a fresh graduate in the summer of 2016. Now an established member of the Bristol team, James has gained experience on a variety of projects in both the private and public sector, developing technical knowledge in a range of building methods and materials. James is an extremely diligent and committed member of the teams he works in and takes pride in ensuring projects are delivered to their highest possible standard.

James has been working in aluminium over-cladding design for over 5 years, developing technical knowledge under the tutelage of an engineer with more than 30 years' experience in the specialism. Now leader of the over-cladding design unit, James manages, coordinates, and delivers a wide portfolio of over-cladding projects. He works hard to ensure good quality, cost-effective, and safe designs are delivered on time.

OVER-CLADDING PROJECTS

Birmingham Women's Hospital – 2024
Over-cladding design of Birmingham Women's Hospital, an 8- storey reinforced concrete frame hospital building. Cladding construction taking place whilst hospital remains operational. Therefore, collaboration with the hospital staff has been key to ensure minimal disruption to the active hospital.

Gloucestershire Royal Hospital – 2023
Over-cladding design of Gloucestershire Royal Hospital's Tower building. Improved appearance and energy efficiency of the hospital by installing aluminium over-cladding to the exterior of the dated pre-cast concrete façade.

Hexagon Tower, Manchester - 2022
Hexagon Tower was designed in the "brutalist" style with a complex three-dimensional concrete façade covered in mosaic tiles. Over-cladding design restrained degrading mosaic tiles, maintained the appearance of the three-dimensional façade and rejuvenated the buildings appearance.

Harlow College, Building K – 2021
Design of aluminium over-cladding to Building K, an RC frame college building constructed in the early 1960s.

Natural History Museum, Palaeontology Building – 2020
Design of over-cladding to the original five storey concrete framed Victorian museum.

Wellington Close, Walton on Thames – 2018
Design of aluminium over-cladding for 3 residential 10-storey cast in-situ reinforced concrete frame tower blocks.

OTHER PROJECT EXPERIENCE

Radmarsh Road, Nottingham – 2023
Design of 6 Storey 222-bedroom student residential building located adjacent to the University of Nottingham.
MEPC, Silverstone – 2021
Design of Phase 4&5 of a 130-acre innovation and business development park.
Senate House, Bristol – 2020
Design for Bristol University's new Senate House atrium structure within the existing courtyard.
Morfa Road, Swansea - 2019
Design of new student accommodation complex providing 706 bedrooms of varying types spread over 4 buildings.

BPA Architecture

Chartered Architects Planning Consultants


Natural History Museum, Tring


Eastwood Building, Rotherham


Building 29, Southampton


NESCOL Tower, Aberdeen


Chesterfield College

Curriculum Vitae

Name: Rosemary Parker BA(Hons) Dip Arch RIBA RIAS

Position in Firm: Partner

Education / Qualifications:
BA (Hons) Architecture; Polytechnic South West (Plymouth University)
Diploma Architecture; South Bank University
Member of the RIBA
Member of the RIAS

Career Profile:

Present	Partner, BPA Architecture, Edinburgh
2010 - 2012	Associate, Burnett Pollock Associates, Edinburgh
2009 - 2010	Senior Architect, Ansell & Bailey Architects, London
2005 - 2009	Associate, Marland Consulting Group, Edinburgh
2000 - 2005	Partner, Ecco Design, London & Edinburgh
1997 - 2000	Associate Director, AFH Shaw Sprunt, London
1994 - 1996	Architect, Burgess Mean Architects, London

Relevant Current Projects:
Cladding and window replacement to Byron & Linden Towers, Slough, Berkshire
Cladding to Berry Court, Bournemouth, Dorset
Cladding to Mulvany Court, Southsea, Portsmouth
Cladding to Petroc College, Barnstaple, Devon
Cladding to Bradford University Phase 3, (Richmond & Horton Buildings) Bradford
Cladding and window replacement to Natural History Museum, Kensington

Relevant Completed Projects:
Cladding to Clements Court, London Borough of Hounslow
Cladding and window replacement to Natural History Museum, Tring
Cladding to Wellington Court, Walton on Thames.
Cladding and window replacement to Harpenmead, Templemead and Granville Points, Barnet.
Cladding to B29 Chemistry Block, University of Southampton.
Cladding and window replacement to Chesterfield College, Chesterfield.
Cladding and window replacement to Eastwood building, Rotherham College.
Cladding and window replacement to Gallowgate Campus, North East Scotland College (previously Aberdeen College).
Cladding and window replacement to Stratford-upon-Avon College.
Cladding and window replacement to Horton D Building, University of Bradford.
Cladding and window replacement to Richmond Building, University of Bradford.
Cladding to ICL Tower Staircase, Imperial College London.
Cladding to Latimer House, Hackney, London
Cladding and window replacement to Elswick, Garstang, Poulton and Thornton Buildings for Blackpool and the Fylde College.
Cladding and window replacement to Tamar Building for Cornwall College.
Cladding and window replacement to Bedford College Workshop.
Cladding to Daresbury Laboratories, Cheshire.

Relevant Feasibility Studies:
LJMU Courtyard hub development
Royal Mail Sorting Office, Copperas Hill, Liverpool, Overcladding
ACEX Building, Imperial College London Overcladding
Royal Cornwall Hospital, Truro
Sir John Laing Building, Coventry University
Porton Down
University of the Arts Tower Block Overcladding

ASSENT Building Control

TERRY GORDON
ASSOCIATE - LIVERPOOL

BSc, MSc, MCABE, MRICS , AIFireE

Terry joined Assent in July 2007 as an Associate to set up and operate the Liverpool office. Terry's career in the profession has involved working on a wide variety of projects ranging from new build, extensions and fit outs of commercial premises, universities and hospitals and also fire risk assessments. Terry also presents CPD seminars at clients offices to ensure that they are up to date with the latest building regulation changes. Terry's role as an Associate involves forging close links with clients and design teams to ensure the integration of the building control element within the design team.

Terry Project Manages projects nationally and carries out site inspection work in the North West of England and North Wales.

Role & Key Responsibilities

- Associate
- Plans Assessment, Design Consultations &Value Engineering.
- Site Inspections
- Client Liaison & Resolution.
- New Business Development
- Training & Education
- Plain-English, friendly and professional Communication.

Career History:

Assent Building Control (2007- Present):
Associate – Liverpool

Project Manager within Private Sector Building Control (2002- 2007):

Liverpool City Council (1990-2002):
Principal Building Control Surveyor

Project Experience

- New Technology Building, Coleg Menai, Bangor
- New Build Sport & Science Building – Liverpool John Moores University
- Fire Risk Assessment Programme for all Liverpool Archdiocese Buildings including Churches and Schools
- New Build Art & Design Building – Liverpool John Moores University
- New Waste Recycling Plants – Lancashire £70m
- New Build £20m School - Runcorn
- Internal remodelling of Cunard Building, Liverpool
- Fire Risk Assessments – Liverpool University
- Various fit outs – Trafford Centre Shopping Centre
- New Build Bolton Academies
- Various schemes at Manchester Hospital
- Internal fit outs at Liverpool One Shopping Centre

"Assent Can be relied upon to give a quick response to Building Regulations queries, vital when production information is being worked up"

Rob Lewis
Cornish Architects

committed to CSCS

acai Association of Consultant Approved Inspectors

ISOS ISO 9001 CERTIFICATION

www.assentbc.co.uk

CONSULTANT PROFILE

Name: Leigh Johnston MIIRM

e-mail: leigh.johnston@peligro.co.uk

Telephone: 0114 296 5701
07879 492350

Summary

Having worked full time in the field of health and safety management for over 20 years and completing numerous specialist training courses, Leigh has built up a wide range of health & safety knowledge and experience in health and safety management with a focus on CDM and construction.

Specialising in Construction Safety, Leigh has worked on numerous projects, ranging in size up to £100m. These projects include specialist restoration projects, new builds, basement extensions, refurbishment and demolition. Formal training in temporary works coordination was undertaken in 2017, however, Leigh has been actively involved in demolition and temporary works projects for a number of years.

Leigh is an experienced CDM Consultant who can effectively identify and manage risk on construction projects, ensuring they are eliminated at design stage where possible. Leigh also provides a hands on approach where required and actively oversees health & safety performance on site by conducting regular health & safety audits, and liaises directly with contractors to ensure their risk assessments and method statements are suitable and sufficient.

Leigh has excellent interpersonal and communication skills, with the ability to communicate effectively with persons in all levels of an organisation.

iosh Chartered Safety and Health Practitioner

CHAS Accredited Contractor

QSHCR Registered Consultant

www@peligro.co.uk

Qualifications

Apr 96	NEBOSH National General Certificate in Occupational Safety & Health
Dec 98	Completed NEBOSH Diploma in Occupational Safety & Health
Mar 99	Achieved Corporate Membership of IOSH
Nov 05	Achieved Chartered Consultant status from IOSH
Nov 06	Achieved membership to Association of Project Safety
Oct 07	Registered member (CDM Co-ordinator) RMaPS
Jan 11	Entered onto The Occupational Safety & Health Consultants Register
Aug 15	Passed P405 Management of Asbestos in Buildings
Jan 17	Passed Temporary Works Coordinator course

About Peligro Risk Management Ltd

Peligro was formed in 2007 as a risk management consultancy. The company grew significantly throughout the recession and now employs 8 people. Based in Sheffield, Peligro can provide the following services throughout the UK and Europe;

- Construction Safety & CDM Services including fulfilling the duty of CDM Coordinator and Principal Designer
- Asbestos surveys (Management and Refurbishment & Demolition surveys and required by HGS264)
- Appointed Safety Advisors
- Health & Safety Audits
- Construction Site Safety Inspections
- Fire risk assessment
- Health & Safety Policy Formulation

Peligro Environmental LLP

Peligro Environmental LLP was formed in 2015 as an Asbestos consultancy, providing services including;

- Asbestos surveys - Management & Refurbishment/Demolition surveys
- Asbestos revisits
- Formulation of Asbestos Management policies
- Provision of Asbestos Training
- Management of Asbestos removals - obtaining quotations, arranging the work, obtaining relevant documentation and carrying out Client checks as required by The Management of Asbestos Regulations 2012
- Formulation and management of Asbestos Registers on behalf of clients

www@peligro.co.uk

Peter Lawson

Director, Head of Planning South East

QUALIFICATIONS

MRTPI

PREVIOUS EXPERIENCE

2004 - 2014: Associate Director, Turley

2001 - 2004: Senior Planner, Turley

1991 - 2001: Planner, Turley

1989 - 1991: Urban Designer, Chapman Warren

Peter places a firm emphasis on securing planning permission through negotiation and consultation.

Peter's experience spans many development sectors including mixed-use town centre regeneration projects, retail development, hotel and leisure development and a variety of urban and greenfield residential development. Peter has specialised in advising on the 'repositioning' of existing sites and assets to respond to the changes we are witnessing in today's property market, and is a leading advisor in the emerging 'Build to Rent', 'PBSA' and 'Later Living' sectors.

Peter handles a range of development appraisals, planning applications and appeals for a wide range of clients.

Peter has worked in the private sector for over 30 years and brings a strong understanding of planning and commercial issues to his role in leading our planning team in the South East of England.

Projects

Gateway Retail Park, Swindon

Full planning permission secured for a 75,000 sq ft out of town Retail Park adjacent to the A419 on the north side of Swindon, with a 30,000 sq ft anchor unit, four additional units and 317 car parking spaces. Negotiations with tenants are currently ongoing.

Aldi Food Stores

Full planning permission granted for various food stores across the UK, including most recently at Highworth in Wiltshire.

Whitbread PLC

National client lead with a successful track record in securing planning permission for Premier Inn Hotels and Restaurants across the UK.

Village Hotels

National client lead with a successful track record in securing planning permission for Village Hotels, most recently at Eastleigh in Hampshire.

Swindon Science Park, Swindon

Current hybrid planning application for a 100 acre Science Park at M4 J15 for innovation and hi-tech manufacturing on a non-allocated green field site. The planning case revolves around there being a lack of a suitable alternative site / employment land supply and the significant economic benefits the scheme will deliver. Challenges include access, landscape and heritage impacts.

Regent Circus, Swindon

Full planning permission granted for the redevelopment of the former Swindon College site in Regent Circus for a mixed-use development comprising an anchor Morrison's food store, cinema, restaurants and serviced apartments, with a new multi storey car park and public square / performance space. The scheme was designed as an 'anchor' to the southern end of Swindon Town Centre.

Turley

turley.co.uk

zed

CV

Neil Hamilton

Position: Principal Building Physics Engineer

Qualifications:
BSc(Hons) Industrial Design
STROMA Level 5 Non-Domestic Energy Assessor (IES-VE)
STROMA Level 3 & 4 Non-Domestic Energy Assessor (SBEM)
STROMA On Construction Domestic Energy Assessor (SAP)
STROMA Display Energy Certificate Assessor (DEC)
STROMA Level 3 & 4 Air Conditioning Inspector (ACI)

Memberships:
CIBSE

CAREER EXPERIENCE

Neil joined Zero Energy Design in January 2021 as a Principal Building Physics Engineer.

He previously worked as a Building Energy Consultant, being responsible for achieving Part L building compliance, the reduction of CO2 emissions and the implementation of low and zero carbon technologies to achieve and exceed planning, BREEAM and compliance requirements.

Duties include the construction and analysis of thermal models utilising the IES Virtual Environment. Dynamic simulation for Part L2A assessment, heat loss & gain calculations used for correct sizing of heating and cooling equipment, overheating analysis of naturally and mechanically buildings using CIBSE TM52 & TM59 methodologies and associated BREEAM evidence and reports to satisfy ENE01, ENE04 HEA04 project requirements.

KEY EXPERIENCE

- Site surveys of new and existing buildings for the production of Energy Performance Certificates.
- Comprehensive knowledge of design software package IES Virtual Environment including modules ApacheSim, ApacheCalc, Macro-Flo, Flucs DL, Radiance, Suncast, Vista, Vista Pro and VE Compliance
- On-Construction Domestic Energy Assessor (OCDEA) utilising Stroma FSAP to carry out domestic assessments for large scale domestic developments.

PROJECT EXPERIENCE

Project / Client	Details	Value	Date
London School of Economics – New student centre for LSE in Westminster	As Built Part L analysis using IES to produce final Part L compliance documents and Energy performance certificate. The new Student Centre won the 2012 New London Award (NLA) in the Education category. NLA is an Architectural competition that recognises the very best in architecture, planning and development in London.	£35m	May 2016
Ludlow Healthcare Facility	Full Dynamic simulation modelling of all aspects of the building including natural ventilation strategy, heat loss & gain calculations, Part L2A compliance and daylight analysis. The new healthcare facility was constructed to a high environmental standard and achieved a BREEAM Healthcare Excellent Rating.	£27m	March 2015
University of Cambridge – Department of Chemical Engineering & Biotechnology	Working directly for the University of Cambridge carried out a post occupancy overheating study. Site survey work and utilising IES Virtual Environment to model current internal conditions and rectify existing overheating issues. Dynamic modelling demonstrated the required adjusted supply air flow rates to maintain optimal internal conditions for staff and students.	£38m	Jan 2014

SILCOCK LEEDHAM

Education

MEng (Hons), Aeronautical Engineering, University of Durham

Associations

Associate, AIFireE, Institution of Fire Engineers

Contact

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M: +44 756 268 8018
steven.ellis@jensenhughes.com

JENSEN HUGHES
Advancing the Science of Safety

STEVEN ELLIS MEng (Hons), AIFireE
PRINCIPAL ENGINEER, FIRE ENGINEERING, ENGLAND
(Experience – 5 years)

Bio

Steven Ellis is a Principal Engineer who joined Jensen Hughes (formerly Jeremy Gardner Associates) as a Design Engineer in March 2018 after successfully completing his Master's Degree in Aeronautical Engineering at the University of Durham.

Steven is working on a number of projects across the UK. These include new buildings, refurbishing or reconfiguring existing buildings as well as historic buildings. Steven has worked on a range of different building types with notable examples included on the next page.

Steven has a wealth of experience with many large scale, high rise, and mixed-use developments, including building types with additional/specific fire strategy complications such as schools, prisons, hospitals, and historic buildings. As a result, Steven has developed many clear and concise fire strategies for complex buildings where fire engineered solutions have been required to support the design team, contractor team and the approvals process.

Steven has developed fire engineering solutions using both standard and advanced techniques such as Computational Fluid Dynamics and Structural Fire Protection Analysis. Steven has used Fire Dynamic Simulator software to model a variety of different fire engineering issues including corridor smoke control, escaping past cooking hobs, and shopping centre mall smoke control. Steven has developed fire strategies using first principal fire spread calculation methods to support difficult and complex external wall geometries to maximise the permitted unprotected areas.

Steven undertook his first year at Jensen Hughes in the London office working on a variety of projects in order to train and to support the continued growth of the Manchester team. Steven joined the Manchester team in March 2019 where he plays a key role in the ongoing development of the Manchester office and supporting junior engineers.

VIDEOS

Castle Court, Sheffield

Wellington Close, Walton on Thames

Linden House + Byron House, Slough

The Pinnacle, Walsall

VIDEOS

Bristol Royal Infirmary

Residential focus

Aintree University Hospital

Higher / Further Education

Previous Projects

EDUCATIONAL: **72 Tower Blocks** RESIDENTIAL: **36 Tower Blocks** HEALTHCARE: **3 Tower Blocks**

Provided below is a selection of our past projects, covering **110 tower blocks** between 1990 and 2022.

Contracts with a ● indicate where an ACM/ HPL Spec was changed to Aluminium.

Contracts with a ● indicate where design build facades were the Main Contractor.

1990 Hyde Park, Sheffield (1 Tower)
Reference: The Guinness Partnership – 0303 123 1890
Value: £4.6m

Web link Case study

February 1995 Hunter and Belvedere, LB Hounslow (2 x Towers)
Reference: London Borough of Hounslow - 020 8583 4000
Value: £1.4m

Web link

● **March 1994 Lancashire Hill, Stockport (5 x Towers)**
Reference: Stockport Metropolitan Borough Council - 0161 474 3451
Value: £7.4m

Web link

● **September 1995 Wyler Tower, Hamilton, South Lanarkshire (1 x Tower Block)**
Reference: South Lanarkshire Council - 0303 123 1015
Value: £1.10m

Web link

● **1994 Polmont Prison (1 Towers)**
Reference: 01324 711558

● **1995 Rheidol Court Swansea (1 x Tower Block)**
Reference: Swansea Council - 01792 636000
Value: £0.9m

Previous Projects

1996 Raeburn Place, Sheffield
(1 x Tower)
Reference: Sheffield City Council – 0114 273 4567

February 1997 Grange Court, Hackney
(1 x Tower Block)
Reference: London Borough of Hackney – 020 8356 3021
Value: £1.6m

Web link

May 1997 Glasgow Caledonian University (George Moore Building)
(1 x Tower Block)
Reference: Douglas Little – 0141 331 3767 – d.little@gcu.ac.uk
Value: £750k

Web link Case study

June 1997 Glasgow Caledonian University (New Health Building)
(1 x Tower Block)
Reference: Douglas Little – 0141 331 3767
d.little@gcu.ac.uk

May 1998 University of Plymouth
(2 x Tower Blocks)
Reference: Rod Lane – 01752 232191
Value: £3.5m

Web link Case study

June 1999 College of West Anglia
(2 x Tower Blocks)
Reference: Robin Thorpe – 01603 630061
Value: £900k

Web link Case study

1999 Netherthorpe Tower Blocks, Sheffield (1 x Tower Block)
Reference: London Borough of Hackney - 020 8356 3021

August 2001 Pinnacle, Glasgow
(1 x Tower Block)
Reference: Pinnacle Residents Association - pra@thepinnacle.org.uk
Value: £3.3m

Web link

Previous Projects

October 2001 West Whitlawburn Tower Blocks (6 x 16 Storey Tower Blocks)
Reference: West Whitlawburn Housing Co-Operative Ltd – 0141 641 8628
Value: £4.2m

Web link Case study

May 2003 Marple Hall School (1 x Tower Block)
Reference: Peter Fox – 0161 495 6050
Value: £916k

Web link Case study

January 2003 University of Stirling (2 x Tower Blocks)
Reference: Andrew Duncan – 01786 467096
a.a.duncan@stir.ac.uk
Value: £3.9m

Web link Case study

April 2004 The Pinnacle, Willenhall (1 x Tower Block)
Reference: Pete Hillyard – 01980 654240
Value: £6m

Web link Case study

March 2005 Graiseley High Rise Flats, Wolverhampton (3 x 10 Storey Tower Blocks)
Reference: Tony Ridyard – 01902 556556
Value: £3m

Web link Case study

July 2005 University of Bradford Richmond Building (Phase 1) (1 x Tower Block)
Reference: Clive Wilson – 01274 233110
r.c.wilson@bradford.ac.uk
Value: £1.3m

Web link Case study

August 2007 Northumbria University (1 x Tower Block)
Reference: Gary Wilson – 0191 224 4070
gary.wilson@northumbria.ac.uk
Value: £922k

Web link Case study

22. May 2009 Blythswood Court, Glasgow (3 x 14 Storey Tower Blocks)
Reference: Glasgow Housing Association – 0800 479 7979
Value: £2.6m

Web link

Previous Projects

May 2009 Liverpool John Moores University (James Parsons) (3 x Tower Blocks)
Reference: Colin Davies –
0151 231 5750
c.g.davies@ljmu.ac.uk
Value: £3.3m
Web link Case study

September 2009 Alpha House, Coventry (1 x Tower Block)
Reference: Paul Heffernan –
02476 767193
paul.heffernan@wmhousing.co.uk
Value: £1.97m
Web link Case study

January 2010 Blackpool & Fylde College (1 x Tower Block)
Reference: John Pye –
01253 504349
john.pye@blackpool.ac.uk
Value: £2.46m
Web link Case study

January 2011 Cornwall College (1 x Tower Block)
Reference: Malcolm Palin –
01726 226791
Malcolm.palin@cornwall.ac.uk
Value: £1.06m
Web link Case study

July 2011 Bedford College (1 x Tower Block)
Reference: Dianne Gamble
01234 291490
dgamble@bedford.ac.uk
Value: £967k
Web link Case study

August 2011 Rochdale College (2 x Tower Blocks)
Reference: Saf Arfan –
0161 643 7560
saf.arfan@howood.ac.uk
Value: £2.4m
Web link Case study

October 2011 University of Bradford (Horton D) (1 x Tower Block)
Reference: Clive Wilson –
01274 233110
r.c.wilson@bradford.ac.uk
Value: £1.465m
Web link Case study

December 2011 St Vincent College, Gosport (2 x Tower Blocks)
Reference: Peter Monk –
02392 603580
pmonk@stvincent.ac.uk
Value: £700k
Web link Case study

Previous Projects

January 2012 Daresbury Laboratory (2 x Tower Blocks)
Reference: Steve Dobson –
01925 603365
steve.dobson@stfc.ac.uk
Value: £700k

Web link Case study

January 2012 University of Glasgow (6 x Tower Blocks – largest being 17 storeys)
Reference: Robert Kilpatrick –
0141 330 4204
Value: £3.7m

Web link Case study

January 2012 Imperial College London (ACEX Building) (1 x Tower Block)
Reference: Rob Pask –
0207 594 8924
r.pask@imperial.ac.uk
Value: £1.1m

Web link Case study

January 2012 Imperial College London (Annex Building) (1 x Tower Block)
Reference: Rob Pask –
0207 594 8924
r.pask@imperial.ac.uk
Value: £700K

Web link Case study

September 2012 Chelmsford College (3 x Tower Blocks)
Reference: Ray Cook –
01245 265611
Value: £2.1m

Web link Case study

September 2012 University of Surrey (1 x Tower Block)
Reference: Ian Collis –
01483 689230
i.collis@surrey.ac.uk
Value: £700k

Web link Case study

October 2012 Liverpool John Moores University (Max Perutz) (1 x Tower Block)
Reference: Colin Davies –
0151 231 5750
c.g.davies@ljmu.ac.uk
Value: £1.1m

Web link Case study

January 2013 Blackpool and the Fylde College (3 x Tower Blocks)
Reference: John Pye -
01253 504349
john.pye@blackpool.ac.uk
Value: £4m

Web link Case study

Previous Projects

March 2013 Stoke on Trent College (2 x Tower Blocks)
Reference: John Walley –
01782 208208
info@stokecoll.ac.uk
Value: £1.7m

Web link Case study

April 2013 Bournemouth and Poole College (North Rd Campus 2 x Tower Blocks)
Reference: Ken Roberts –
01202 205289
robertsk@bpc.ac.uk

Web link Case study

July 2013 Rutherford Appleton Laboratory, Harwell (1 x Tower Block)
Reference: Sean Stewart –
01235 445452
sean.stewart@stfc.ac.uk
Value: £4.2m

Web link Case study

August 2013 Aberdeen College (North East Scotland College) (2 x Tower Blocks)
Reference: Roddy Scott –
01224 612000
r.scott@nescol.ac.uk
Value: £6m

Web link Case study

August 2013 Bournemouth and Poole College (ASDM building) (1 x Tower Block)
Reference: Ken Roberts –
01202 205289
robertsk@bpc.ac.uk
Value: £1.2m

Web link Case study

April 2014 North East Surrey College of Technology (NESCOT) (2 x Tower Blocks)
Reference: Val Neame -
07595 091790
vneame@nescot.ac.uk
Value: £2m

Web link Case study

June 2014 University of Bradford Richmond Building (Phase 2 + workshop) (1 x Tower Block + 1 x Link Block)
Reference: Clive Wilson –
01274 233110
r.c.wilson@bradford.ac.uk
Value: £5.1m

Web link Case study

July 2014 Fareham College (5 x Tower Blocks)
Reference: Peter Marsh –
01962 657157
peter@petermarshconsulting.com
Value: £1.9m

Web link Case study

Previous Projects

July 2014 North Hertfordshire College (1 x Tower Block)
Reference: Brian Sapsed – 01462 424209
bsapsed@nhc.ac.uk
Value: £600k

Web link Case study

July 2014 Bristol Royal Infirmary, Queens Building (1 x Tower Block)
Reference: Andrew Headdon - 0117 3420645 - Andy.headdon@UHBristol.nhs.uk
Value: £2.7m

Web link Case study

August 2014 Stratford-Upon-Avon College (2 x Tower Blocks)
Reference: Stuart Hill – 01789 266245
stuarthill@stratford.ac.uk
Value: £760k

Web link Case study

November 2014 Chesterfield College (2 x Tower Blocks)
Reference: Mike Thackery – 01246 500541
thackerym@chesterfield.ac.uk
Value: £1.2m

Web link Case study

2015 Edinburgh University – Mechaston (1 x Tower Block) (Changed from Booth Murie ACM cassettes to aluminium)
Reference: Stuart Carberry - s.carberry@napier.ac.uk

February 2015 University of Kent (5 storey and single storey building) (1 x Tower Block + 1 x Link Block)
Reference: John Morley – 01227 824591
j.morley@kent.ac.uk
Value: £2.9m

Web link Case study

June 2015 Rotherham College (1 Tower Block)
Reference: Andrew Newton – 01709 362111
anewton@rotherham.ac.uk
Value: £1.2m

Web link Case study

October 2015 Southern General Hospital, Glasgow (1 x Tower Block)
Reference: Graham Forsyth – 0141 207 1600
Value: £1.9m

Web link Case study

Previous Projects

January 2016 Bournemouth and Poole College (Lansdowne Campus) (2 x Tower Block)
Reference: Ken Roberts – 01202 205289
robertsk@bpc.ac.uk
Value: £1.6m
Web link Case study

May 2016 Glasgow Caledonian University (1 x Tower Block)
Reference: Douglas Little – 0141 331 3767
d.little@gcu.ac.uk
Value: £2.4m
Web link Case study

2016/2017 Hockmore: Blackbird Leys (1 x Tower Block) (HPL changed to Aluminium)
Reference: Mike Hart - mike.hart@willmottdixon.co.uk
Web link Case study

September 2017 Aberystwyth University (1 x Tower Block) (Changed from Trespa to aluminium)
Reference: David Lister - 01970 823033
dsl@aber.ac.uk
Value: £1.3m
Web link Case study

October 2017 Clements Court, Hounslow (1 x Tower Block)
Reference: Alan Cochrane – 0208 583 4434
Value: £700k
Web link Case study

October 2017 University of Dundee (1 x Tower Block)
Reference: Brian Thomson - B.R.Thomson@dundee.ac.uk
Value: £1.55m

November 2017 King Solomon International Business School (1 x Tower Block)
Reference: Joe Southwick - joseph.southwick@bouygues-uk.com
Value: £2.1m
Web link Case study

March 2018 Barnet Homes (3 x 15 Storey Tower Blocks)
Reference: David Hann - David.Hann@barnethomes.org
Value: £3m
Web link Case study

Previous Projects

September 2018 Wellington Close
(3 x 10 Storey Tower Blocks)
(Originally ACM and PVC windows)
Reference: Greg Smyth -
01932 250631
Value £7m

Web link Case study

2020/21 Linden House & Byron House, Slough
Reference: Darren Smith -
Darren.Smith@abri.co.uk

Web link Case study

November 2019 Natural History Museum, Ornithology Building, Tring
Client: Natural History Museum
Value: £2m

Web link Case study

May 2020 Building 29, Highfield Campus University of Southampton
Reference: Darren Rattew MCIOB -
023 8059 4685
Value: £2.1m

Web link Case study

September 2020 East Coast College, Main Tower, Teaching Block, Lowestoft Campus
Reference: Adri Van der Colff
Value: £1.39m

Web link Case study

March 2021 Natural History Museum, Palaeontology Building, Kensington
Reference: Natural History Museum
Value: £2.1m

Web link Case study

March 2021 Highbury College Tower, Portsmouth
Reference: Highbury College
Value: £4.03m

Web link Case study

April 2021 Petroc College, A+ E Blocks, North Devon Campus
Reference: Bill Blythe -
Vice-Principal, Finance & Resources
Value £1.03m

Web link Case study

Previous Projects

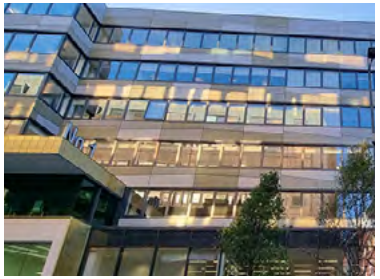
January 2022 University of Bradford, Horton D and Richmond Buildings
Reference: Andrew Hague -
Building Manager, Property Services

Web link Case study

January 2022 Harlow College, K Block
Client: Harlow College
Value: £760k

May 2022 1 Old Hall Street, Liverpool
Client: GMD Investments Ltd
Value: £1.4m

Web link Case study



August 2022 Aintree University Hospital (The Main Tower)
Client: Liverpool University
Hospital NHS Foundation Trust
Value: £7.4m

Web link Case study

Feb 2023 York Hospital, Main Ward Block
Client: York and Scarborough
Teaching Hospitals NHS
Foundation Trust
Value: £1.5m

Web link Case study