

---

# Building Expectations

---

# Building Futures





---

**At End Systems our purpose is to help create better places to learn, work and live. We believe buildings should be safe and sustainable for the people that occupy them.**

That's why we are a trusted partner to some of the most forward thinking building contractors in the UK. And it's why our staff team trust us to support their career journeys to being the best they can be.

We're not just helping to create the building spaces of the future. We're proud to be helping create the next generation of skilled construction professionals.

At End Systems we don't just build expectations; we build futures.



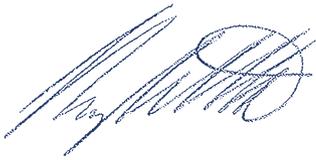
---

# Our Vision

A photograph of a modern building at dusk. The building has a facade of dark panels and large windows, some of which are illuminated from within. A street lamp with two glowing globes is in the foreground on the left. The sky is a mix of blue and orange, suggesting sunset or sunrise. The text 'Our Vision' is overlaid in white on the left side of the image.

---

“I am immensely proud of this organisations deep-rooted commitment to its staff, its clients and the communities it serves.”



**Kay Corlett**  
Managing Director



As the UK’s leading specialists serving the building services industry, it’s a great honour to lead End Systems. But more importantly for me, I am immensely proud of this organisation’s deep-rooted commitment to its staff, its clients and the communities it serves.

End Systems is powered by this culture of commitment, and that’s why my vision for the future is driven by three fundamental promises.

#### **To our staff**

Our people are our biggest asset and I’m dedicated to making End Systems a great place to work: somewhere everyone can feel proud and passionate about what they do and everything we achieve together.

#### **To our clients**

I’m committed to making End Systems your first port of call when it comes to delivering top quality services and value for money, as well as being your go-to partner for industry expertise and innovative solutions.

#### **To our communities**

I want End Systems to be recognised and relied on for providing spaces and places that enrich, transform and enhance the lives of people and the places we live in.

# Our Story

With a reputation built on quality, value and skills; End Systems has offered specialist services and industry accredited testing and training to the building and construction sector for over 40 years.



End Systems joins the Heating and Ventilating Contractors Association (HVCA), now known as the Building Engineering Services Association (BESA).

End Systems celebrates its 20th birthday.

After 24 years of business growth, End Systems expands and upscales premises to Redwater House.

1980

1996

2000

1976

End Systems is formed after its founder, Brian Townsend, saw a niche in the construction industry for commissioning and testing.

1990

End Systems become a founding member of the Commissioning Specialists Association (CSA).

1999

End Systems achieve Investors in People status.



END SYSTEMS LIMITED



INVESTORS  
IN PEOPLE

 **EndDocs**

EndDocs software is launched, allowing clients to view, comment and collate end user documentation easily and securely online.

2012

 **EndBim**

For the first time the Building Information Model is accessible online thanks to the groundbreaking EndBim app.

2017

 **EndSystems**

End Systems undertakes a full rebranding process, launching a new look and vision for the future of the company.

2019

2006

End Systems celebrates its 30th birthday.

2016

After 40 years End Systems becomes one of the UK's leading Building Services companies.

2018

Kay Corlett becomes End Systems Managing Director.

2020

Move to Redwood House.

---

# Our Services

We operate in integrated multi-disciplinary teams to achieve the best solutions for your project.

This way of working also makes for a flexible organisation that offers its partners services both onsite as well as office based. End Systems covers the following:



## **Commissioning Management**

Our Commissioning Management team will plan, programme and witness the entire commissioning process to ensure a seamless transition from design stage to project handover, in accordance with CIBSE Code M.

## **Commissioning and Testing**

Our fully qualified engineers will ensure all commissioning and testing works undertaken are properly delivered and documented to the highest industry standards. We have the quantity and quality of resource to meet the most challenging programmes and complex projects.

## **Water Treatment**

System contaminants that are inevitably found in newly installed systems can lead to blockages and growth of micro-organisms. End Systems will ensure that systems are brought to a satisfactory state for commissioning and ongoing maintenance, all in accordance with BG29/2020.

In conjunction with our specialist partners we can arrange, coordinate, witness and report on the complete water treatment procedure.

---

## **Local Exhaust Ventilation (LEV) and P601 Testing**

We provide annual Local Exhaust Ventilation (LEV) and P601 testing in line with HSE Guidelines and CoSHH Regulations. Following our inspections and examinations a detailed report for each system is prepared and further advice provided.

## **Technical Documentation**

Whether you need Operating and Maintenance Manuals, Health and Safety Files or Energy Logbooks, we provide bespoke technical documentation all prepared in accordance with recommended codes of practice.

## **CAD Services**

Thanks to our in-house AutoCAD Team, we can finalise your As Fitted Mechanical & Electrical Services drawings, from your marked up prints or provide detailed building services surveys via our Qualified Building Services Engineers.

## **MEP Surveys**

Our experienced team of Validation Engineers, can carry out detailed surveys of your new/existing MEP services installations, providing detailed feedback on system performance, condition, and accuracy of installations.

## **Building Information Model (BIM) Document Integration**

Our technical team will digitally create your final BIM with links to all essential handover documents. Accessed via our cloud based EndDocs specialist app, it enables users to navigate through a virtual building accessing the information they need.

## **Client Training Videos**

At End Systems we have both the expertise and equipment to record individual training sessions that can be viewed and shared easily with your on-site staff after handover.

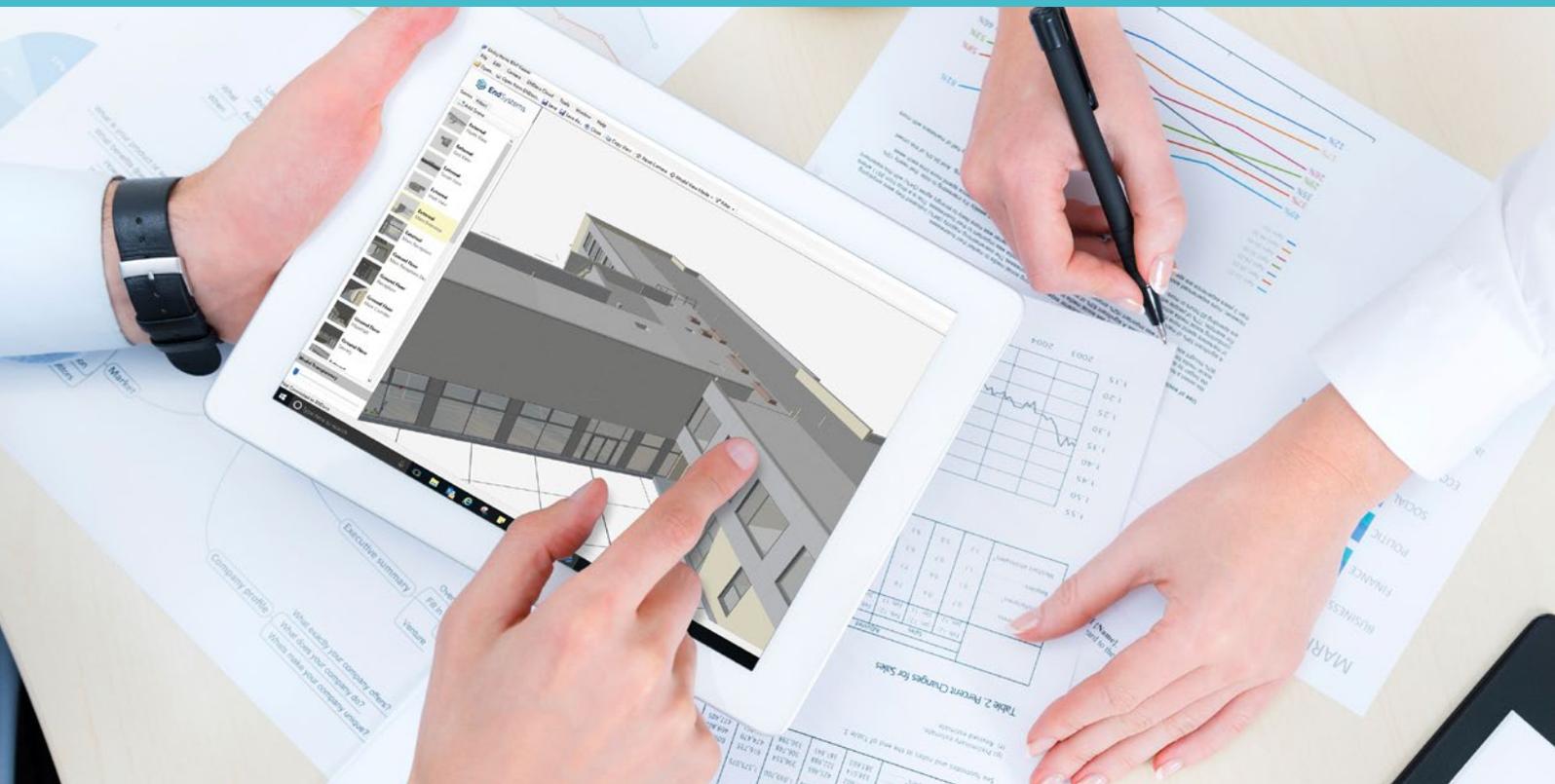
## **Aftercare Services**

The construction, refurbishment or alteration of any building project can be complex. End Systems provide a full aftercare service to ensure you have a trusted partner with you every step of the way and one who will help you really make the most of your building.

**Find out more at**  
[endsystems.co.uk/services](https://endsystems.co.uk/services)

---

# Our Innovations





**Our unique EndDocs software has revolutionised Operations and Maintenance (O&M) documentation.**

Fully compatible with all operating systems and devices, EndDocs enables you to access what you need wherever and whenever you need it.

With EndDocs you can:

- View and collate documents easily and securely in real-time
- Monitor, track and report progress through the construction life cycle
- Comment on and edit working documents and drawings
- Share and review certifications on completion of a project

If you want to know more about EndDocs and how it can revolutionise the way your business manages its As Built Documentation, then contact End Systems today.

[enddocs.co.uk](http://enddocs.co.uk)



**For the first time the Building Information Model (BIM) is fully accessible online thanks to our groundbreaking EndBim app.**

Our technical team create final versions of your BIM and O&M manuals with quick and easy links to all essential handover documents.

With EndBim you and your partners, whether office based or out on site, can navigate through a virtual building and immediately access all the information they need.

EndBim finally puts the Building Information Model in the end user's hands – it's BIM made easy.

[endbim.co.uk](http://endbim.co.uk)

---

# Our Commitment



---

At End Systems we are committed to a set of established values that govern how we work and how we think.



## Health & Safety

Great places are safe places and are why the health and safety of our clients, our colleagues and our projects are so important to us. At End Systems we are dedicated to ensuring the health, safety and wellness is at the forefront of everything we do.

## Training & Development

We have been recognised as an Investor in People for twenty years and continually strive for improvement. At End Systems we believe everyone should have the opportunity to reach their full potential, as well as providing our clients with the best possible solutions.

## Quality Assurance

We are fully committed to our clients and our colleagues – always. Through our extensive experience with extremely complex projects, we strive to improve service provision, raise quality standards and set the bench mark for quality in our own specialized field.

---

# Our People



---

From the most experienced employees through to our latest group of apprentices, at End Systems we aim to offer a work environment that both professionally develops and challenges everyone along with providing varied and interesting career paths.



**Kay Corlett**  
Managing Director

[Kay.Corlett@endsystems.co.uk](mailto:Kay.Corlett@endsystems.co.uk)

---



**Barry Briers**  
Director

[Barry.Briers@endsystems.co.uk](mailto:Barry.Briers@endsystems.co.uk)

---



**Steve Kelly**  
Projects Director

[Steve.Kelly@endsystems.co.uk](mailto:Steve.Kelly@endsystems.co.uk)

---



**Phil Spencer**  
Commercial Director

[Phil.Spencer@endsystems.co.uk](mailto:Phil.Spencer@endsystems.co.uk)

---



**Ian Lysons**  
Projects Director

[Ian.Lysons@endsystems.co.uk](mailto:Ian.Lysons@endsystems.co.uk)

---



**Andrew Boardman**  
Operations Director

[Andrew.Boardman@endsystems.co.uk](mailto:Andrew.Boardman@endsystems.co.uk)

---



**Dale Kenyon**  
Head of Business Development

[Dale.Kenyon@endsystems.co.uk](mailto:Dale.Kenyon@endsystems.co.uk)

---

---

# Our Projects



# Lab & Pharmaceutical

## **AstraZeneca Macclesfield, Packing & Logistics facility**



The complex £50 million project included the upgrade and future-fit of the warehousing, packing and logistics facilities at AstraZeneca's Macclesfield site.

The three-phase programme involved full design, construction and commissioning of a new high bay warehouse, a low bay warehouse refurbishment and a technically-demanding Global Packing Centre.

Co-ordinated to enable business-as-usual operations for AstraZeneca and delivered in compliance with GMP (Good Manufacturing Practice) standards, the project was carried out over a four-year period.

## **Reckitt Benckiser, Project Wren, Hull**



The existing Reckitt Benckiser, (RB) facility at Hull has grown organically over the last 20 years and required a strategic review of building stock consolidation and future expansion.

This is reflected in Project Wren which includes both the upgrade of an existing 4000m<sup>2</sup> office building and the creation of a new 10,000m<sup>2</sup> laboratory building, which houses general labs and a clean room standard Pilot Plant.

To reflect the international nature of the RB business the LEED procedure was employed to illustrate optimum sustainable engineering, as opposed to the more UK-based BREEAM

## **University of Manchester, National Graphene Institute**



The NGI is equipped with 1,500m<sup>2</sup> of class 100 and 1000 cleanrooms - which have an atmosphere more than a million times purer than air - and the latest technology for nanoscale and characterisation projects.

At 7,825 square metres and with £13m of state-of-the-art equipment, the National Graphene Institute (NGI) the facilities enable academics and their industrial partners to work side-by-side on new and exciting applications.

# Healthcare

## Royal Liverpool University Hospital



The £335m new Royal Liverpool University Hospital is being built next door to the current Royal. The new Royal will have one of the biggest emergency departments in the north west, 646 single inpatient bedrooms, 18 state-of-the-art operating theatres and a clinical research facility.

## Clatterbridge Cancer Centre, Liverpool



The 11-storey Clatterbridge Cancer Centre – Liverpool (CCC-L) will deliver highly-specialist care including pioneering immunotherapy and the most advanced forms of radiotherapy to the 2.4, and those in surrounding areas.

The spectacular new hospital is part of a £162m investment in expanding and transforming cancer services across Cheshire and Merseyside, a region where people are more likely to develop the disease than almost anywhere else in the country.

## The Christie, Proton Beam Therapy Centre



This prestigious five-storey, 15,000sq m building provides four treatment rooms; a patient reception; consultation rooms and public space, meeting the specific needs of patients' staff and visitors.

The building is futureproofed with space for the trust to expand. The 90Tcyclotron feeds three treatment gantries that rotate around the patients to best target the tumour.

The design sets a precedent for future developments by incorporating a fourth gantry, a unique facility for research and development, ensuring The Christie provides enhanced treatment and maintains its international reputation as leading experts in cancer care, research and education.

# Commercial

## 7 & 8 Wellington Place, Leeds



Located in the middle of the Wellington Place estate and fronting Whitehall Road, 7 and 8 Wellington Place incorporates 377,215 sq ft of office space, and 22,125 sq ft for ancillary uses such as shops, cafes, bars and restaurants with 182 basement car parking spaces.

The building is expected to bring over 6,000 civil servants to the centre of Leeds and will transform central Government's estate by accommodating multi-departmental workforces in shared buildings including HM Revenue and Customs and NHS Digital.

## Circle Square, Manchester



Circle Square provides a very special new community in the heart of Manchester city centre and Corridor Manchester.

The scheme, delivered in three phases, includes over 1200 new homes and more than 1.2m sq ft of offices, hotels, shops, restaurants, bars and more.

The 617,848 sq ft residential space, which spans across four state-of-the-art buildings, will be operated under Select's Affinity Living brand and the 390,000 sq ft of commercial space will be delivered by Bruntwood.

## 1 Centenary Square, Arena Central, Birmingham



1 Centenary Square is a statement 210,000 sq ft office building designed by award-winning architects MAKE.

Global bank HSBC announced that it would forward-purchase the full building as the head office of its UK ring-fenced bank serving personal and business customers.

Formerly 2 Arena Central and renamed 1 Centenary Square by HSBC, the building occupies a prominent position overlooking Centenary Square to the front and the new Arena Central public realm to the rear.

# Industrial & Manufacturing

## University of Warwick, Materials Engineering Centre



The facility provides industrial partners with state-of-the-art, industrial scale composite processing equipment to carry out process development and demonstrations. This equipment is also the subject of further development to enhance the capabilities of the ACRC, particularly automation which is seen as an essential element of any high volume process.

## Jaguar Land Rover Fen End, Coventry



The site at Fen End accommodates differing uses, including some of Jaguar Land Rover's product research and refinement, vehicle testing and development facilities and includes a vehicle test track.

The new building provides accommodation for workshops, paint booths 'work in progress' storage areas for part-prepared vehicles and offices, and will become the principal base of the Vehicle Operations Division of the Jaguar Land Rover.

## Amazon Doncaster, Doncaster



The new facility is located on Verdion's 6 million sq ft iPort logistics development.

Measuring 0.5 kilometres in length, the warehouse is designed with an interior fit-out design and specification that is unique to Amazon. The building is a single storey warehouse with a footprint of 1 million sq ft. Offices, training and social rooms total an additional 62,000 square foot and are located as a single storey element to the front of the building.

# Student & Private Residential

## Westminster Bridge Road, London



This 19-storey building houses modern student accommodation across 1,092 bedrooms.

The £80 million project also accommodates a new 6,000m<sup>2</sup> sixth-form college, occupying the first 3 floors of the building, as well as an 800m<sup>2</sup> health suite with swimming pool and gym.

Alongside these services, the building will also provide affordable office space.

## University of Hull, West Hull Residential Campus



A former car park on the edge of the site is transformed into a vibrant new student quarter linked to the main university campus.

The complex comprises nine blocks arranged around a central plaza at the top of a "village street" with convenience store, central green and café. Featuring a range of 1,462 single rooms and one-bedroom apartments.

## Middlewood Locks, Manchester



The £150m stage of the 24.5-acre Middlewood Locks scheme at the western gateway to Manchester's Central Business District.

Features of the first phases includes 571 new homes and associated commercial space, including convenience shops, restaurants, extensive new public realm including canal side footpaths and cycle ways to the City centre.

---

# Nuclear

## **BAE Systems, Primary Build Capability**



The Primary Build Capability (PBC) is a central part of the Site Redevelopment Programme, which is the largest investment on the Barrow site since the construction of the DDH itself and is required to allow construction of the Successor Submarine.

The Primary Build Capability application comprises two new buildings adjacent to the DDH known as the Primary Build Capability (PBC), which provides a controlled environment for ship and submarine assembly.

The buildings are ideally located adjacent to the DDH and is a logical location as an extension to the building for the Successor Submarine.

## **Sellafield Ltd, Main Site Command Facility**



The Main Site Command Facility will be the new control centre for our security and emergency response teams, using state-of-the-art technology provided by the Security Systems Architecture Upgrade Project.

The command centre within the facility will provide a significantly improved capability to react and manage security and emergency events – critically important as for a shift in focus from reprocessing to site clean-up.

# Air & Rail

## Manchester Airport Transformation Project



The £1bn Manchester Airport Transformation Programme (MAN-TP) will modernise and transform the customer service experience.

The programme comprises a series of enhancements that will provide customers with state-of-the-art services.

It will see Terminal 2 more than double in size to become the airport's main centre of gravity.

The new, enlarged terminal will have a range of state-of-the-art features and will be designed to deliver a smooth and seamless passenger experience.

## New Street Station, Birmingham



Birmingham New Street station and Grand Central's redevelopment has boosted daily passenger capacity from 170,000 to 240,000.

The five year, £750m redevelopment of Birmingham New Street was one of the UK's largest and most complex redevelopment projects in recent times.

It involved integrated refurbishment of the train station in central Birmingham - the busiest interchange station in the UK.

## Crossrail, Farringdon Station



Situated within the heart of the London Crossrail, Farringdon Station is an intrinsic piece in the Crossrail scheme. The London Underground station has been developed to allow for the Crossrail project and once complete will include two new ticket halls connected by underground 250 metre platforms, 30 metres below ground to accommodate an increase in passengers.

# MEP Validation

## Department of Health, Quarry House, Leeds



Ahead of the CAT B fit-out and refurbishment of 64,583 sq ft of commercial office space in Leeds, consisting of the formation of new meeting rooms, tea points and upgrading the toilet facilities, End Systems carried out full MEP surveys to validate the condition and performance of the existing services.

## DWP Griffin House, Ashton in Makerfield



As part of the ongoing maintenance and energy optimisation of the building, a full review of the existing MEP services, performance and expected life expectancy was carried out.

## Hilton Worldwide, Maple Court, Watford



Prior to refurbishment of the existing building, all M&E services were validated to assess current condition and to enable the planning of necessary remedial works to bring the building and its associated services to a standard that met the needs of the occupants.

---

## **End Systems**

Redwood House  
Woodlands Park  
Ashton Road  
Newton-Le-Willows,  
Merseyside  
WA12 0HF

T: 01942 673229

F: 01942 260155

[enquiries@endsystems.co.uk](mailto:enquiries@endsystems.co.uk)

[endsystems.co.uk](http://endsystems.co.uk)

