



HULK

Engineered for Height. Built for Speed

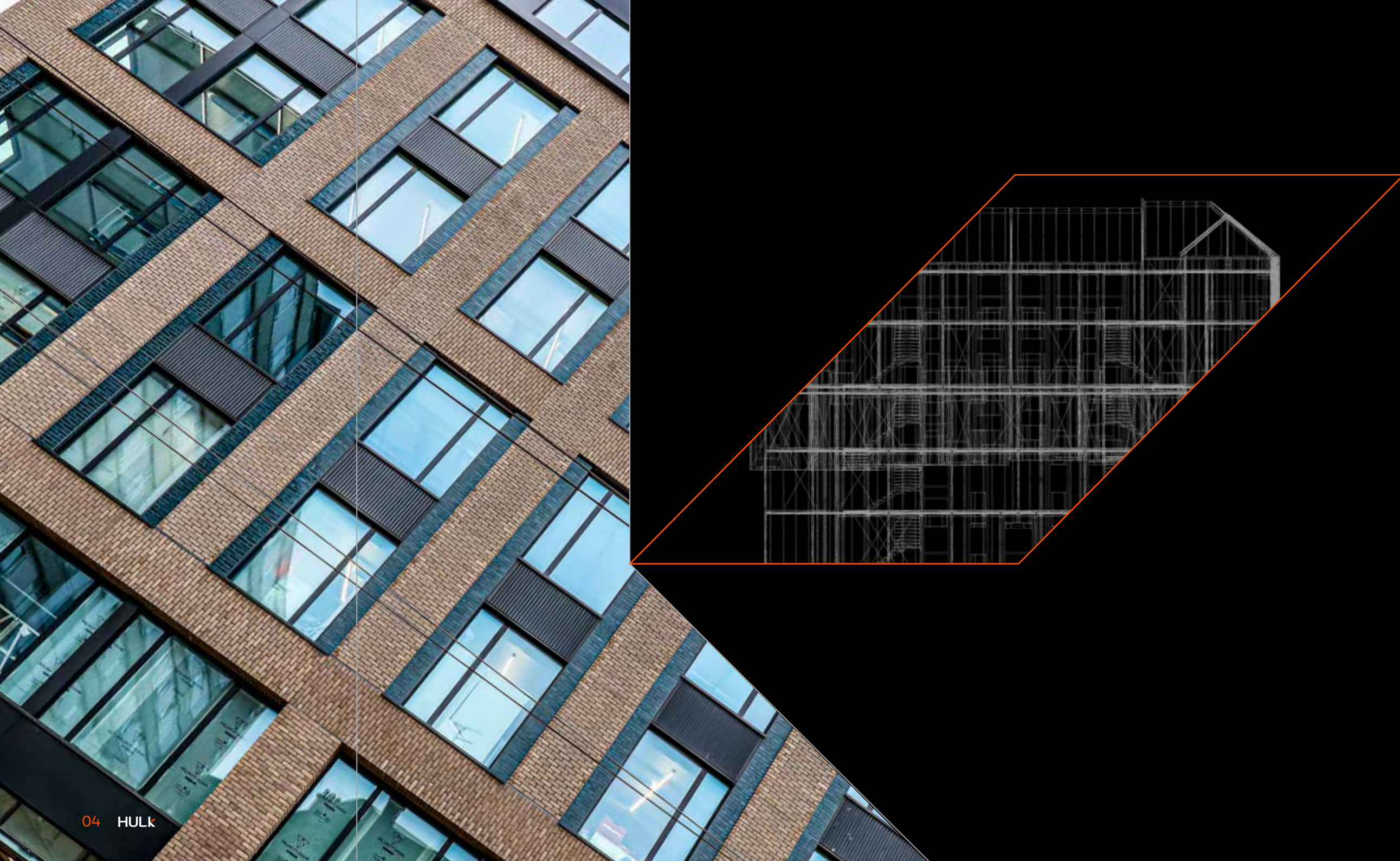
Smart, Scalable Loadbearing Systems  **ASH & LACY**

ashandlacy.com/hulk



Contents

- 05 Introduction
- 06 Sustainability
- 10 Quality
- 12 Technical Support
- 14 A Complete High-Rise Framing Solution
- 16 System Overview
- 18 Why HULK Works for You?



Introduction

Ash & Lacy's H.U.L.K. system is transforming how high-rise buildings come to life. This cutting-edge, prefabricated loadbearing solution is specifically designed for light gauge steel construction—offering an unmatched combination of structural integrity, precision engineering, and installation speed.

Whether you're building 2 storeys or 15, **H.U.L.K.** empowers your project with a smarter, faster way to build. Every component is engineered for performance—from pre-drilled service holes that streamline M&E integration, to unique swaged edges that ensure seamless panel connections with tighter tolerances. And thanks to a fully bolted system, there's no need for Tek Screws or on-site guesswork—just fast, accurate assembly.

Delivered as preassembled kits or built on-site, **H.U.L.K.** adapts to your workflow. It's fully compliant with fire and structural regulations, compatible with digital design and BIM processes, and offers a clean, modern aesthetic that complements today's architectural standards.

From precision fabrication to rapid installation, **H.U.L.K.** gives you more than a structural system—it gives you confidence.

Less disruption. More control. Better builds.

Sustainability

Offsite construction offers a more sustainable alternative to traditional building methods by using significantly less heavy machinery and consuming much less energy.

This approach can reduce carbon emissions during the construction phase by 17–30%, while also cutting emissions from material deliveries due to the reduced number of transport vehicles required. Our dedication to sustainability is demonstrated through comprehensive Environmental Product Declarations (EPDs), which provide cradle-to-cradle transparency of our products' environmental impact.



Optimising Materials and Renewable Energy to Minimize Waste

We focus on mass minimization to optimize material use and implement supply chain efficiencies to streamline logistics and reduce waste. Furthermore, many of our processes are electrified, including forklifts, heating systems, and ovens, helping to eliminate reliance on fossil fuels.

Our factories are powered by solar photovoltaic systems, and we operate with zero fossil fuel systems wherever possible. Together, these initiatives highlight our commitment to reducing our environmental footprint at every stage of the construction process.

Sustainability

Thanks to a fully bolted system, the need for adhesives or welding during installation is eliminated. As a result, the steel frame can be easily disassembled at the end of its life, with up to 100% sent for reuse or recycling – without the need for sorting. Such systems support a long-term circular economy, as steel can be recycled indefinitely without any loss of quality.

Manufacturing Without Landfill

Our products are manufactured and assembled using carefully developed processes and material utilisation software to minimise waste. Any scrap is collected and recycled, ensuring nothing goes to landfill. Since components arrive on site ready to assemble, on-site fabrication and the extra waste it generates is kept to an absolute minimum.



Enabling Low Carbon Solutions with Green Steel

Materials used throughout the organization are sourced from suppliers that meet specification requirements whilst maintaining sound, sustainable environmental practices. We are committed to reducing the carbon footprint of our standard product range, while also offering premium low-carbon material options, such as green steel, for clients ready to take these important steps.

Quality

We take our responsibility as a manufacturer very seriously. But don't take our word for it – all Ash & Lacy steel frame systems are tested and accredited to the latest industry standards by notable third-party organisations ensuring that all the critical components, namely the support systems, fixings and accessories are included within the scope of assessment for added reassurance.

We take pride in producing products to the highest quality standards, and continue to invest in more sustainable, environmentally-friendly processes both in-house and throughout our supply chains.

We've summarised the extent of our system testing and quality accreditations in this section for ease of reference.

Safety Accreditations

Structural Performance – SCI assessment

SCI Assessed is an established quality mark that is awarded to testify that manufacturers' technical data has been independently verified by SCI. The scheme provides reliability for the performance data offered by suppliers particularly where, for example, the product is new or the performance values are based on testing or calculation methods outside the scope of established standards.

Fire Resistance

HULK system is tested in accordance with BS EN 1365-1:2012 (Load bearing walls) and BS EN 1365-2:2014 Load bearing floors). A range of internal and external wall tests are completed to provide robust designs



To access copies of our test reports or certificates, go online here at ashandlacy.com/testing-certifications/

EPD Certification

Sustainability is now a key factor in the decisions we make and those of our partners. Through our EPD Certification, we are able to evidence the lifecycle of our steel products from before manufacture to delivery onsite. An EPD is an objective report based on life cycle assessment (LCA). It is used to communicate information about the potential environmental and human health impacts of a product. It states what a product is made of and how it impacts the environment across its entire life cycle, from raw material extraction to disposal.

UKCA

UKCA and CE Marking demonstrates compliance with the appropriate manufacturing standard for a product. Under the Construction Products Regulation (CPR), new legal obligations have been placed on manufacturers, distributors and importers of construction products used within the EU to CE Mark their products where they are covered by either a harmonised standard or European Technical Assessment (ETA).



Quality Accreditations

ISO 9001

ISO9001 is defined as the international standard that specifies requirements for a quality management system. Organisations use the standard to demonstrate the ability to consistently provide products and services that meet customer and regulatory requirements.

ISO 14001

ISO 14001:2015 Specifies the requirements for an environmental management system that an organisation can use to enhance its environmental performance.



Technical Support

We understand that every project brings its own unique set of challenges. That's why our team of in-house engineers and industry experts are here to provide advice and design support throughout the specification development process – from architectural stage all the way through to completion on-site.

Ash & Lacy offer a wide range of support services tailored to meet your individual project needs and early engagement often allows us to add even more value to your design.

Talk to us today if we can help you with:

- Wind Load Calculations
- Material Scheduling
- Engineering and Design
- Building Compliancy
- TEKLA modelling
- NBS Specifications



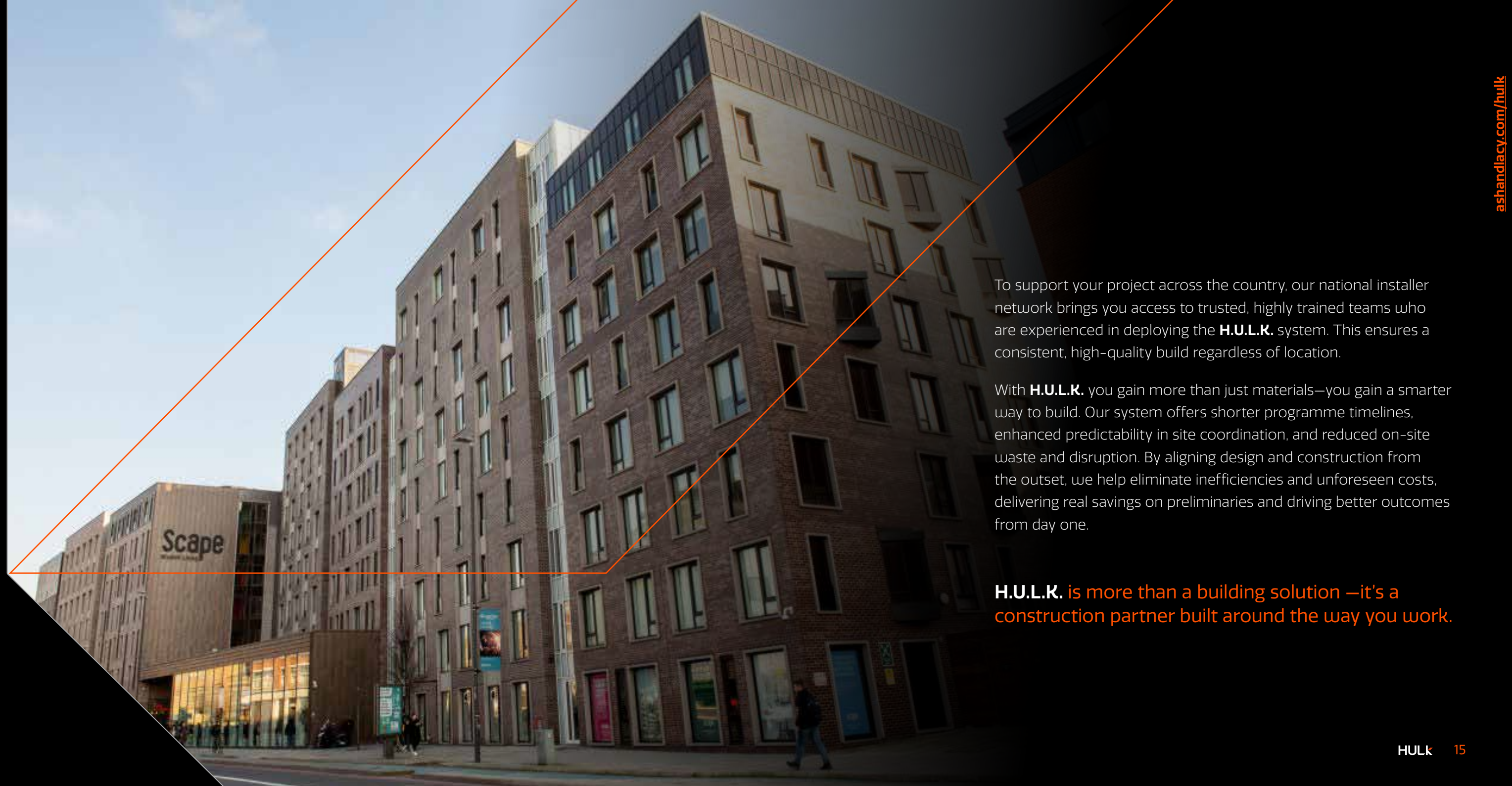
Contact our support team on 0121 525 1444
or email sfs@ashandlacy.com

A complete high-rise framing solution

We understand that every construction project is unique, and timing, efficiency, and coordination are critical to success. That's why our system is designed to seamlessly integrate into the way you work, whether you're in the early stages of planning or already breaking ground. We provide a streamlined, end-to-end approach that bridges the gap between design and delivery, helping you stay on schedule and on budget.

Our offering includes a range of prefabricated components engineered to meet the demands of modern construction. Light gauge steel frame panels are precision-manufactured offsite for strength and speed, while optional pre-boarded panels further reduce on-site labour and build time. Our concrete floor systems are designed for structural compatibility, ensuring a cohesive and efficient assembly process. We also provide essential structural elements such as lift shafts and stair cores, delivered as part of the kit—minimising delays and simplifying installation.

Built Around the Way You Work



To support your project across the country, our national installer network brings you access to trusted, highly trained teams who are experienced in deploying the **H.U.L.K.** system. This ensures a consistent, high-quality build regardless of location.

With **H.U.L.K.** you gain more than just materials—you gain a smarter way to build. Our system offers shorter programme timelines, enhanced predictability in site coordination, and reduced on-site waste and disruption. By aligning design and construction from the outset, we help eliminate inefficiencies and unforeseen costs, delivering real savings on preliminaries and driving better outcomes from day one.

H.U.L.K. is more than a building solution —it's a construction partner built around the way you work.

System Overview

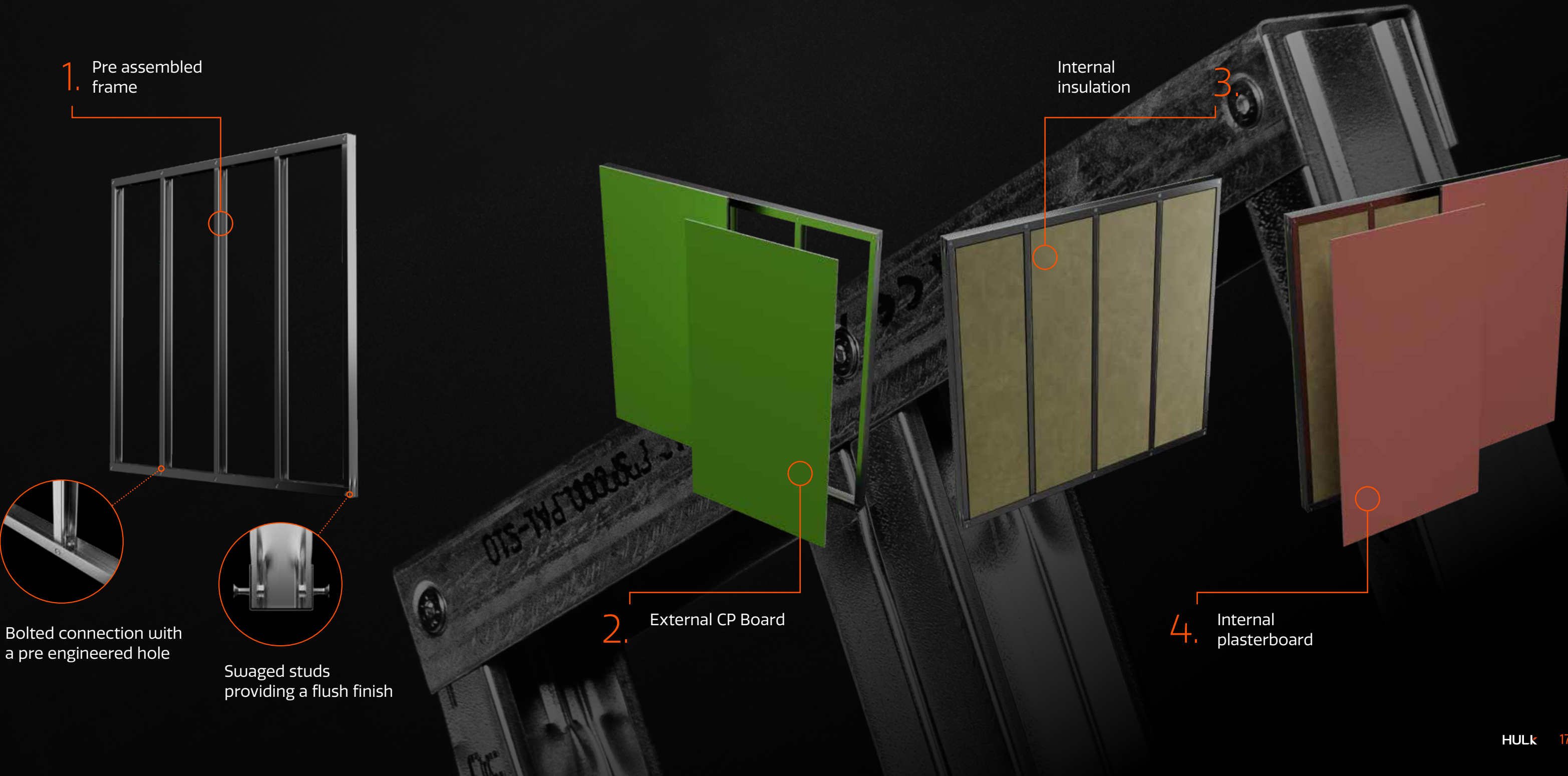
Our innovative system utilises a robust loadbearing Light Gauge Steel (LGS) frame, specifically engineered to support structures up to 15 storeys.

Manufactured from high-quality steel ranging from 1.2mm to 2.4mm in thickness, these frames provide exceptional strength while remaining lightweight and easy to handle.

The bolt-fixed design incorporates pre-engineered holes to accommodate 12mm bolts, ensuring quick, precise assembly with minimal on-site adjustments. Swaged-edge connections further enhance the system's structural integrity, providing a secure and durable flush finish between components.

To streamline the building process, each frame is pre-drilled for services such as electrical and plumbing installations, reducing labour time and increasing efficiency.

For added convenience, we offer optional pre-boarding and full installation support, delivering a complete solution tailored to meet the demands of modern construction. This system is ideal for developers seeking speed, precision, and reliability in mid-rise and high-rise projects.



Why **H.U.L.K.** works for your project

Our system is designed to deliver real-world benefits across every stage of a construction project, offering distinct advantages to architects, installers, and developers alike.



For Architects

It opens up new possibilities in design with greater control over structural elements and the assurance of consistent, high-performance results. This allows for more creative freedom without compromising on safety or compliance.



For Installers

They will appreciate the speed and simplicity of the system. With bolt-fixed frames, pre-engineered holes, and pre-drilled service routes, installation is significantly faster and cleaner. The streamlined setup reduces time on site, enhances safety, and contributes to a more organized and professional work environment.



For Developers

The benefits translate directly to the bottom line. Faster build times and a more predictable installation process mean projects stay on schedule, with reduced risk and fewer costly delays. The result? Better margins and greater confidence in delivery.

Let's build it better—
together.

Whether you're looking for detailed technical specifications, CPD sessions, pricing information, or a collaborative design workshop, our team is ready to support you every step of the way.



Ash & Lacy Solutions Ltd.
Alma Street, West Bromwich, B66 2RL

T. 0121 525 1444

E. SFS@ashandlacy.com

W. ashandlacy.com



Glasgow 0141 950 6040
Birmingham 0121 525 1444
Devon 01404 549100
London 020 8391 9700

