



Hydrock



A force
for good

ENGINEERING | ENERGY | SUSTAINABILITY

Confident. Decisive.

United by a shared purpose.
To be a force for good.

We are Hydrock

Committed to being a force for good

We take pride in making a positive contribution to the lives of the people who work for us, the communities we work in, our planet and for society as a whole.

We believe in places, communities and infrastructure that everyone can be proud of.

As an integrated engineering design, energy and sustainability consultancy, our innovation is creating a sustainable future.

At the heart of this are positive user experiences, societal benefits and asset value for real estate owners and investors.



British-owned



Signed up to the Science Based Targets Initiative



Advising clients in the UK and internationally



Member of Business in the Community



Listed in the 100 Best Large Companies to Work For survey



Multiple award-winner at British Construction Industry Awards



Committed to be a net zero business by 2030

Creative solutions in ...

Future communities

This is the art of the possible

We'll help you curate a site that turns constraints into opportunities.

Engaged early, we look at the big picture and use our skills to identify where connections can be made between different needs and issues — for example, legacy ground issues and water management, or nature and mobility.

We'll build the case for the economic viability of smart energy and sustainability solutions such as micro-grids, energy storage, EV charging and Passivhaus design standards.

With this approach to climate adaptation, long-term value is built.

Starting from a place of unconstrained thinking, we will develop the strategic brief and take you through due diligence, planning and detailed design to development.

Together, we shape the climate resilient, socially vibrant and connected communities of the future.

Redcliffe Way, Bristol:
Envisioning a living future for this important gateway site into the city centre. Working with the city council, landscape architects and a leading developer.



Locking Parklands, Somerset:
Transformation of a 200-acre former RAF training facility for St Modwen. Creating a community embracing housing, education, a new high street, neighbourhood facilities and workspace.



Points Cross, Leeds:
With 928 affordable homes, it's Guinness Partnership's largest ever development. From planning to design we're creating a unique sense of place for this neighbourhood.

Creative solutions in ...

Energy and sustainability

Resilient, relevant and respected

Expertise that delivers climate resilient real estate assets.

Together, we'll deliver an energy and sustainability strategy that works for you.

In a warming climate, and with ever-evolving regulatory and reporting requirements, we'll balance your investment in climate mitigation and adaptation measures to deliver the optimal performance for your real estate.

From the financial viability and design of co-located renewables

and energy storage systems, to structural design solutions that reduce embodied carbon, to water management strategies, we will help you to be climate resilient and in tune with your social conscience.

Ultimately, we'll help you set an environmental, social and governance (ESG) strategy that reflects your ambitions to be present and respected, supported by measurable outcomes.

Bay Technology Centre, South Wales: A blueprint for the future. An energy positive commercial building, embracing digital design and affordability to produce more energy than it consumes.

University of Cumbria: Strategic carbon management programme to identify lifecycle energy savings across the university's estate. Findings shaped estate rationalisation and transformation of the Carlisle Citadels site.

Zeal Hotel, Exeter: Integrated engineering design solutions to shape a net zero, 142-room hotel. Our structural and civil design solutions are underpinned by our fire safety and carbon verification expertise.



Credit: UoC and DAV Architectural Ltd



Creative solutions in ...

Estate optimisation

Re-imagining future performance

Strategies that deliver higher returns, future flexibility, compliance and resilience.

Estate optimisation takes a strategic lens to your whole real estate portfolio. It's about understanding current performance, emerging trends and regulations, and the potential long-term value of assets.

We'll forensically analyse the performance of real estate from the perspective of energy, carbon, climate resilience, wellbeing and fire safety. We'll advise on how assets can offer

a first-class user experience, perform commercially and meet ESG goals.

There's an exciting opportunity to create alternative revenue streams by maximising land for energy generation and storage, and EV charging infrastructure. With existing assets, there's an opportunity for operational efficiencies and to create spaces that meet the longer-term aspirations of users and investors.



Magna Park, Lutterworth: Secured the energy infrastructure for the masterplan of Europe's premier logistics location, covering over 220ha. Specialist civil infrastructure work supports ongoing plot development.

Dyson campus, Wiltshire: Phased programme of improvements to existing R&D facilities and pioneering modular housing pods. High-quality, energy-efficient spaces to attract talent to their university-style institute.

Sighthill, Glasgow: Optimising safety, wellbeing and investor confidence on a £250m regeneration scheme. Fire safety and external wall assessments on an affordable housing programme of 800+ homes.

Creative solutions in ...

Building performance

Designed for performance, is designed for life

Creating spaces to be positive assets for everyone connected with them.

We improve the sustainability and performance of buildings in both design and operation.

For a new building, setting out expectations at the earliest conceptual design stage is critical to achieving optimal performance. We'll influence the design ethos, fire safety, acoustics and the energy and sustainability strategy to achieve long-term value.

It doesn't stop at handover. We monitor how a building

performs during use, modelling performance against a digital twin to modify systems and ensure optimum energy efficiency and comfort. And, we're at the heart of re-purposing and retro-fitting buildings to maximise their long-term value.

By capturing building information digitally, and benchmarking and verifying performance, we'll ensure you reap the rewards of high-performing assets.

UK Hydrographic Office, Taunton: Collaborative and agile workspace, designed to transform the user experience. Multi-award winning 11,000 sqm HQ, embracing natural light, ventilation and sound absorption.

The University of the West of England, Bristol: Complete design of award-winning, 8,500 sqm Faculty of Engineering building. A smart, sustainable whole lifecycle design, where every space is a learning space.

12 King Street, Leeds: Radical repurposing of flagship city centre office building meeting funders ESG criteria. Complete design of new intelligent building systems creates the 'smart' office of tomorrow.



Credit: AHR



Credit: Diane Anckland Forlanaus



Credit: DLA Architecture

Creative solutions in ...

Technical consulting

The very best of integrated engineering design

Unlocking complex sites and creating high-performing built assets.

Investing in quality, technical engineering design and innovation is what makes a good project great. It's what secures approvals, minimises disruption, keeps a project on course and future-proofs the asset for the long-term benefit of all stakeholders.

From initial site due diligence, through planning support, detailed design, construction, handover and into use, our integrated teams deliver a complete smart engineering solution.

Experience our capabilities from carbon-conscious structural design to geotechnical modelling to reuse materials on-site; and from vehicle movement modelling to inform EV charging strategies to fire safety design for means of escape and the control of smoke.

The result is sustainable, socially-conscious places, communities and infrastructure we are all proud of.



SEGRO Logistics Park East Midlands Gateway: Geotechnical design of six million m³ of earthworks shaping the infrastructure for a 283ha scheme shifting freight from road to rail. Support included the Development Consent Order.

St Bartholomew's Hospital, London: Integrated engineering design of multi-million pound catheterisation scanner suite. Ultra-modern facility supporting patient care at world-famous hospital.



Hinkley Point C, Somerset: Quality and safety report lead for the UK's most high-profile infrastructure development in modern times. Six million homes will be powered sustainably by this new nuclear power station.



Our ESG commitments

Perfectly aligned with our values

The opportunities we create for our people, the long-term value we deliver to society, and the impact our work has on the environment is what matters to us.

Established in 1996, our ten values focus on respect, enjoyment, opportunity and our families. They closely align with our ESG strategy which is a framework based around the five capitals model of sustainability.

Our ESG strategy is aimed at delivering tangible benefits, experiences and outcomes.

For our business, we translate this as:

- › **Our people:** we put our people and their talents first.
- › **Our community:** we seek opportunities to create social value and positive partnerships.
- › **Our projects:** we champion innovation and resilience.
- › **Our planet:** we use our skills to elevate the importance of nature and biodiversity.
- › **Our operation:** we seek responsible growth for our business.



Health and wellbeing are at the core of our values. Our annual Challenge Day draws everyone together in a safe and inclusive environment.

Credit: Global Shots

Community-led, STEM-focused, summer placement week in our Cardiff office. Female students aged 14–18 experience the world of work.

Inclusivity of access and sustainability were core to our design of The Wave, Bristol. A ground-breaking inland surfing destination that generates 1,000 waves per hour.

