



dbstructural

ENGINEERING DIFFERENTLY

Bespoke Homes



Hello

When I started dbstructural in 2015, I vowed to build a business that allowed me to put my family first without compromising on quality or excellent client service.

Since then our team has grown, and our values have evolved with them. We're all on board. We pride ourselves on finding simple solutions to complex problems, whether the project is a bespoke dwelling, a residential development or a commercial site.

Here are a handful of our projects. Hope you enjoy browsing them as much as we did engineering them.

Thanks for your time,

A stylized, handwritten signature in white ink, consisting of a series of connected loops and a long horizontal stroke.

Darren Ball
OWNER

the dbstructural way

Engineers, engineering differently

This is the dbstructural way

We are a design led practice. We listen, we chat, we work collaboratively to engineer in the most practical, most efficient, most sustainable, most exciting ways.

We are...

Vision enablers

With can-do attitudes and a resourceful approach, we engineer for the long term to make visions happen.

Client delighters

Shifting the engineering paradigm, we put your project front and centre, tailoring solutions that deliver lasting value.

Above and beyonders

Doing right by our client family drives us. We're always available, always contactable, always approachable.

Our values

We're not just a team of engineers... we're innovators, creatives, challengers, analysers, critiques and most importantly a family-orientated crew with solid values at our core.



Integrity

People before profit every day of the week. At all costs.



Tenacity

We see every project through and commit to our deadlines, no matter the challenge!



Reliability

With realistic timelines, we add value and do as we say.



Empathy

Every design decision starts with understanding your needs.



Communication

Communication is key and we'll keep you informed throughout.



Family

When you work with us, you're more than a project - you're family.

Cedar House Beaconsfield

Client	EAB Homes
Architect	Ascot Design
Project type	Bespoke dwelling
Size	9,500 sq/ft
Location	Beaconsfield, Buckinghamshire
Role	Structural and civil engineering

[View online](#)

Cedar House is an award-winning seven bedroom bespoke residence in Beaconsfield, Buckinghamshire. Our team provided structural and civil engineering design for this complex four-storey new build including basement design, foundation solutions and structural detailing. Recognised at the International Property Awards 2025/26, the project showcases how thoughtful engineering can support exceptional residential design.



Firs Walk Tewin

Client	Private homeowner
Architect	Argento Design Studio
Project type	Bespoke dwelling
Size	4,400 sq/ft
Build cost	Circa £1.2m + interiors
Location	Welwyn, Hertfordshire
Role	Structural and civil engineering

dbstructural were appointed as the structural and civil engineering designers for this bespoke two-storey family home. Recommended by the architect, we were engaged by the client following the receipt of planning permission. The property was designed using traditional load-bearing masonry construction, with a first floor cantilevering up to 600mm over the ground floor to the rear and side elevations.



Spinneys Virginia Water

Client	EAB Homes
Architect	DP Architects
Project type	Bespoke dwelling
Size	6,500 sq/ft
Build cost	Circa £1.5m
Location	Virginia Water, Surrey
Role	Structural and civil engineering

We were appointed by EAB Homes following the receipt of planning permission to provide structural and civil engineering design for this high-end bespoke dwelling. While this was a relatively straightforward superstructure design, the property required design of a unique elliptical stair void, along with careful foundation design to minimise the effects of being in a high-water table area.



Ridgeway Cuffley

Client	Private homeowner
Architect	Argento Design Studio
Project type	Bespoke dwelling
Size	8,000 sq/ft
Build cost	Circa £2.5m + interiors
Location	The Ridgeway, Cuffley – South-East Hertfordshire
Role	Structural and civil engineering

Our team was appointed as the structural engineers for this exceptional bespoke dwelling, following a recommendation from the architect, Argento Design Studio. Engaged directly by the client after planning approval, we provided comprehensive structural engineering design solutions to support the construction of this 2.5-storey family home.



Blythe House Beaconsfield

Client	EAB Homes
Architect	DP Architects
Project type	Bespoke dwelling
Size	6,500 sq/ft
Build cost	Circa £1.5m
Location	Beaconsfield, Buckinghamshire
Role	Structural and civil engineering

We were appointed by the client to provide structural and civil engineering design for this high-specification 2.5-storey detached family home. Designed with traditional loadbearing masonry, we later revised the scheme to avoid the costly and carbon intensive removal of an 3-metre-deep concrete mass, ultimately delivering an efficient, sustainable and robust foundation solution.



Beechmont Beaconsfield

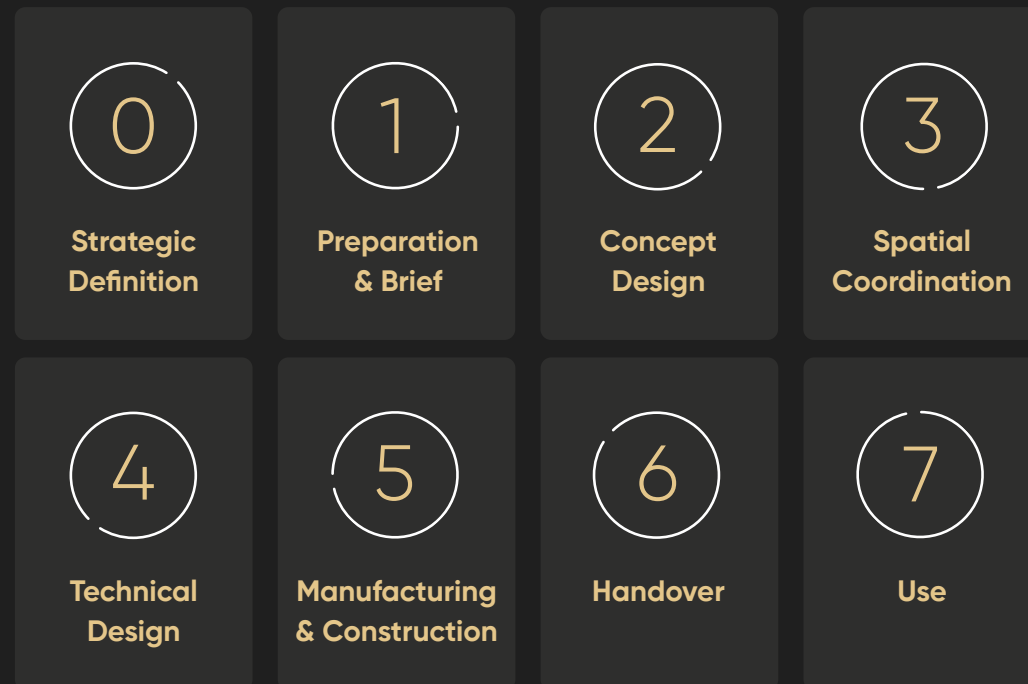
Client	Private homeowner
Architect	DP Architects
Project type	Bespoke dwelling
Location	Beaconsfield, Buckinghamshire
Role	Structural and civil engineering

Our team was engaged to provide structural engineering expertise for a high-spec basement extension in Beaconsfield, Buckinghamshire. The project involved a ground floor extension with a basement designed to house a luxurious swimming pool and a bespoke wine cellar. Given the complexity of the extension, our focus was ensuring structural integrity of two crucial parts of the home.



How we work

The RIBA Plan of Work defines the eight stages of designing, constructing, and operating a building, providing a clear framework to guide each phase from concept to completion.



Traditionally, structural and civil engineers join a project at stage 4, but we're big fans of getting involved earlier. It just has so many benefits:

Stages 0-1 | Strategic definition. Here, our engineers can assess project viability and provide technical guidance. We work alongside architects to ensure a design is feasible and achievable.

Stages 2 - 3 | Concept design and spatial coordination. This is where we can value engineer and prevent structural surprises post-planning. We're engaged at this stage to advise and collaborate on the design. We can produce the initial structural framing design and civils schematics.

Stage 4 | Technical design. Collaborating with the architects and other consultants on the final design, we refine and perfect the details.

Stage 5 | Site works. During construction, we're on hand to answer queries about the project as and when they arise.

What our clients say



As an architect who has collaborated with dbstructural on numerous residential projects of varying scales and complexity, I can confidently say their professionalism and attention to detail consistently elevate the design and delivery process. Their clear, well-coordinated drawings make our job smoother, while their proactive communication ensures potential issues are addressed early and effectively. dbstructural's structural and civil engineering expertise provides a strong foundation, both literally and figuratively, for successful, high-quality outcomes every time.

Les Fenton Argento Design Studio



We've had the pleasure of using the services of dbstructural for some years now, across numerous different and complex residential extension and new build projects. They've been highly-responsive, extremely helpful and very professional at all times. We've also been delighted to support their worthy charitable activities. We look forward to many more years of this great business relationship.

Peter Warren Director EAB Homes



Follow us

@dbstructural

info@dbstructural.co.uk