



**Manufacturing,
Process &
Distribution**
Consultancy Services



Ibstock
Plc



Understanding your sector.

Manufacturing & Process.

Efficient, reliable, bespoke.
Your facility – and our approach.

“Before everything else, getting ready is the secret of success.” The words of Henry Ford embody our approach to manufacturing and process engineering. It’s all about preparation – and successfully aligning your new manufacturing process within your site is where it all starts.

We work closely with our clients to deliver the most economically advantageous solution, taking account of operational demands as well as corporate and statutory requirements – with an ever increasing pressure to ensure that sustainability is maximised and the project delivered on-time and to budget with the lowest possible risk.

We have worked with many globally recognised businesses to support the development of their new manufacturing and process facilities around the UK. Specialising in project management, quantity surveying and CDM services we work closely with our clients on an agreed schedule of services or occasionally through secondments.

Working closely with the client we can structure the project delivery, co-ordinate stakeholders, manage designers and supply chain, driving them to a common goal. Whether we are appointed to provide project management, cost management and a CDM consultancy role - or to provide additional capacity and capability to an established client’s project delivery organisation, we make a positive difference.





Relevant specialisms.

Project Consultancy.

Our firm's foundation.

Operating from offices in Birmingham, Derby and London our team of dedicated consultants are driven to provide tailored, high quality project consultancy services.

Our business was formed in 2006 and our reputation has been continuously strengthened, and our client base broadened, as we continue to recruit hand-picked consultants with extensive experience in this specialist field.

Our unique approach:

Through delivering on our promises to clients we have built an enviable reputation working across all sectors with a range of blue chip clients. Every member of our team strives to exceed client expectations and believes that successful client relationships are built on transparency and mutual respect. We adhere to our guiding principles of honesty, integrity and professionalism, in everything we do.

As both our business and reputation grow, we continue to attract high calibre individuals with the skills to make a positive impact on every project they work on. With clients spread across the country, we now operate from three offices to ensure we understand the local aspects of projects. Our team are always close at hand for advice or site meetings.

Every project we undertake is personally led by one of the firm's Directors to ensure every client has a single, responsible and informed point of contact.

Our services:

- Programme Management
- Project Management
- Cost Management & Quantity Surveying
- Construction Management/Site Supervision
- CDM Consultancy (incl. Principal Designer)
- Clerk of Works
- Energy and Sustainability Consultancy
- Claims Consultancy
- Due Diligence



Project stories.



Core Production Capability Project (CPC) Derby.

Collaborating within a complex project organisation, Virtus were appointed to manage the £95m phased regeneration of an operational nuclear fuel production facility. Working within the constraints of a nuclear licensed site we managed the facility design of the new infrastructure and facilities, decommissioning and demolition of redundant facilities, construction and handover to operations.

Our role has involved working closely with safety case and manufacturing engineering functions to develop the design for a flexible facility, engineered to withstand naturally occurring phenomena and working with regulatory functions to attain a permission to construct.

Following the development and execution of a detailed procurement strategy we have managed the construction phase, overseen build assurance, managed the design changes and facilitated progressive handover of facilities to enable occupation by manufacturing operations.

Phased redevelopment of an operational manufacturing plant on a nuclear licensed site in Derby.

Modern high specification industrial building with complex basement structures and 1:10,000yr withstand from naturally occurring hazards, ancillary design offices, fire station, security, bronze command and energy centre; totalling 212,000 sqft

125t nuclear product facility crane

8-22m eaves

3 level access loading doors

DREAM Very Good rating

<i>Client:</i>	Rolls-Royce Submarines
<i>Virtus Consult Role:</i>	Project Manager Quantity Surveyor Clerk of Works Construction Management CDM Consultancy
<i>Architect:</i>	Morrison Design
<i>Civil/Structural:</i>	Rodgers Leask
<i>MEP:</i>	Cundall
<i>Principal Contractor:</i>	John Graham Construction
<i>Value:</i>	£95m
<i>Status:</i>	Complete



"I have thoroughly enjoyed working with Virtus and can't remember ever working with such dedicated and personable people with such integrity."

Trevor Thompson
Rolls-Royce PCO Factory Project Manager

Project stories.



Primary Components Operations Facility (PCO) Derby.

In order to drive efficiency into their production and provide further integration to the Submarine Enterprise, Rolls-Royce Submarines strategy was to combine two existing manufacturing functions; High Pressure Vessels based at Sinfin and Nuclear Manufacturing Services based at Raynesway within a new, purpose built facility at the Raynesway campus.

Working closely with Rolls-Royce's internal project team Virtus provided Project Management, Employers Agent and Cost Management services for the base build and fit-out phases of works. The project provided 110,000sqft of facilities including;

- Modern high specification industrial building with ancillary design offices
- A Production Annex
- Clean Rooms
- Non-Destructive Examination facility, and
- Furnace

The PCO project is a key component in Rolls-Royce's strategy to consolidate it's submarine business manufacturing at its Raynesway site in Derby.

The ambition of Rolls-Royce was to create:

- A modern high performance engineering environment
- A collaborative workplace
- A platform for product development
- A more sustainable and efficient operation

<i>Client:</i>	Rolls-Royce Submarines
<i>Virtus Consult Role:</i>	Project Manager Employers Agent Quantity Surveyor Construction Management
<i>Architect:</i>	Morrison Design
<i>Civil/Structural:</i>	Rodgers Leask
<i>MEP:</i>	Cundall
<i>Principal Contractor:</i>	GF Tomlinson
<i>Value:</i>	£25m
<i>Status:</i>	Complete



Project stories.



Barton Firtop Engineering (BFE) Kidderminster.

Virtus are providing Employers Agent and Cost Management services on this new manufacturing facility that will combine operations from two sites in Bromsgrove.

The new facility is a modern, high specification industrial building with ancillary design offices and preparatory works for future expansion. The initial phase will provide a floor area of 45,000sqft and;

- Ground source heat pump
- 11m eaves
- 1 level access loading doors
- Car parking for 99 cars
- Two storey Cat B office accommodation

The new facility will enhance BFE's capabilities and enable them to meet ever increasing capacity requirements, ultimately resulting in further increases in turnover and staffing levels.

Virtus Consult is providing Employers Agent and Cost Management services for a new manufacturing, testing, warehouse and office facility for Barton Firtop Engineering. The new 45,000sqft manufacturing facility will combine operations from three sites into one new development at Silverwoods Business Park in Kidderminster.

The new development represents the first phase of a growth plan to extend the manufacturing capacity as the company expands. Over the last decade the company has more than doubled its staff base and with the investment at Silverwoods it remains on course to expand further, based on the increasing demand for its world leading filtration products.

<i>Client:</i>	Barton Firtop Engineering
<i>Virtus Consult Role:</i>	Employers Agent Quantity Surveyor
<i>Architect:</i>	One Creative
<i>Civil/Structural:</i>	One Creative
<i>MEP:</i>	One Creative
<i>Principal Contractor:</i>	Benniman
<i>Value:</i>	£6m
<i>Status:</i>	Completes May 21



Project stories.



Café Azera Production Facility Tutbury.

Virtus undertook the role of Principal Contractor ensuring this fast moving and complex project was delivered efficiently, safely, on time and within budget all within the live food production environment.

Following a successful product launch of the Nescafé Azera range, Virtus were appointed to provide Principal Contractor and Health & Safety Consultancy Services for a new £150m high speed production line, constructed adjacent to ongoing production activities.

The new high speed line facilitated increased production by automating further processed and the introduction of a large free standing multi-functional robot – the first one for the Tutbury site. The investment resulted in four-fold increase in output.

Within three years of Dolce Gusto's launch the Tutbury factory had become of key strategic importance to Nestlé globally as one of only two centres around the world producing the Dolce Gusto capsules; and it produced them at a whopping rate of 4 million pods per day..

By the end of 2016 there had been £325 million invested in the factory transforming the once small dairy into a Coffee Centre of Excellence housing all forms of coffee production including freeze dried, spray dried and pod technology together on one site and employing almost 1,000 people.

<i>Client:</i>	Nestle UK
<i>Virtus Consult Role:</i>	Construction Management CDM Consultancy
<i>Architect:</i>	Nestle UK
<i>Civil/Structural:</i>	Jenkins & Potter
<i>MEP:</i>	Nestle UK
<i>Principal Contractor:</i>	Musk Engineering (supported by Virtus Consult)
<i>Value:</i>	£20m
<i>Status:</i>	Complete

"The team at Virtus have done a fantastic job and we look forward to working with them again soon"

Robert Oades
Nestlé Engineering



Project stories.



Fischer Farms Farm 2 (FFF2) Norwich.

Virtus are providing Project Management, Employers Agent and Cost Management services on this new vertical farm development that will have a high degree of automation from seeding to harvesting of product.

The modern, high specification industrial building incorporates agricultural structures to reduce capital and through life costs. With a floor area of 123,000sqft the facility incorporates;

- 11m eaves
- 2 level access loading doors
- Car parking for 15 cars
- Two storey Cat B office accommodation
- Design and procurement ongoing with site commencement expected in May 2021

Fischer Farms uses big data to optimise growing conditions and highly automated harvesting processes to create gourmet produce at industrial scale. Leafy greens (such as rocket, watercress, chard, basil, dill and parsley) are grown from seeds in a medium such as rockwool or perlite with all the nutrients delivered in a water solution – no soil is required.

These Vertical Farms operate all year round and are entirely independent of the volatile weather patterns that disrupt the production of field-grown crops. This ensures retailers and packers of a stable supply of produce from a single source that eliminates the need to import food.

<i>Client:</i>	Fischer Farms
<i>Virtus Consult Role:</i>	Project Manager Employers Agent Quantity Surveyor
<i>Architect:</i>	Morrison Design
<i>Civil/Structural:</i>	Rodgers Leask
<i>MEP:</i>	Couch Perry Wilkes
<i>Principal Contractor:</i>	TBC
<i>Value:</i>	£19m
<i>Status:</i>	Contract Award Due



Project stories.



The Duke, Centrum 100 Burton-on-Trent.

Virtus acted as Development Manager on behalf of the investor, Standard Life Investments. The project comprised;

- Modern high specification warehouse totalling 303,047sqft (28,153.90 sq m) on a 13.72 acre site; site density of 49%
- 12m eaves
- 24 dock level
- 4 level access loading doors
- Car parking for 357 cars
- Two storey Cat A office accommodation
- EPC Grade A rating

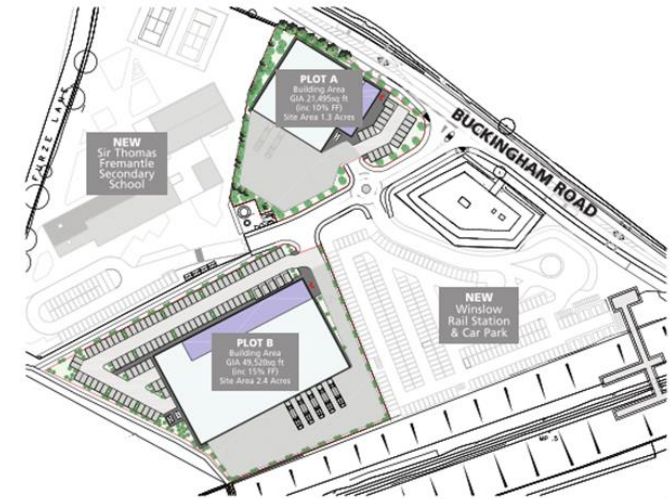
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<i>Value:</i>	£19m
<i>Status:</i>	Contract Award Due



Project stories.



Plastics Omnium – New Facility Measham.

Plastic Omnium manufacture plastic body parts for the majority of car brands and employ approximately 21,000 people worldwide.

Virtus Consult were appointed to undertake a feasibility study for the proposed relocation of their Measham plant following identification that the existing facility was directly located on the planned route for High Speed 2 (HS2).

The feasibility exercise included the requirement to maintain full manufacturing capability during relocation, replacement of the facilities with a new, enlarged 200,000sqft capability and a full programme, cost and risk model to inform the business directors of the likely impact to their business of HS2.

Client: Plastics Omnium

Virtus Consult Role: Project Manager
Quantity Surveyor

Winslow Business Park Winslow.

Planning consent has been granted for approximately 148,000 sq ft of Office, Industrial & Warehouse, uses together with a new railway station which will have a capacity of 400 parking spaces.

However, the site has recently been allocated in the Winslow Neighbourhood Plan as the location for the new Sir Thomas Fremantle Secondary School and Virtus have been supporting in delivering the infrastructure for the whole site and establishing viable opportunities for the development of the remaining land. This is currently expected to be two developments; one of 21,495sqft and another of 49,520sqft.

Virtus are retained to provide Project Management services.

Client: Minns Estates

Virtus Consult Role: Project Manager
Employers Agent



Thank you.
virtus-consult.co.uk

Locations
Birmingham
Derby
London

