





# “ BUILDING THE TECHNOLOGIES OF TOMORROW TODAY”

As the pace of construction increases, new products, processes and systems will need developing accordingly. Our experience and expertise help you to develop your ideas and turn them into market-ready products and systems, utilising our large-scale testing capabilities to create real world conditions and thus aid rapid approval and certification.

We believe in embracing evolving technology to remain at the forefront of progress and innovation. Our data and expert analysis assesses the performance of these innovations, both in the short- and long-term.

Implementing change brings about new opportunities, and helps meet current and future demands through increasing productivity, competitiveness, quality and therefore value for clients.

Using our extensive testing facilities, and with our support and guidance, we also help you to comply with regulations, enhance performance, improve existing products, solve failures and re-develop existing buildings.

**We call that insight the knowEdge.**

**It's what makes Lucideon different, and makes all the difference to you.**

**Joanne Booth, Business Manager, Construction**



**LUCIDEON**

Materials Development and  
Commercialization

## Our People.

- Over 200 in our team, with 1 in 8 having second degrees
- In total, they have over 2,204 years of experience!
- Materials and analytical expertise includes ceramics, glass, metals, polymers, composites, powders, gases and liquids



### **This is Lucideon.**

**We're a development and commercialisation organisation (DCO), specialising in materials technologies and processes development.**

Our cross-industry insight, materials science expertise and innovative thinking helps industry to develop and implement new and often disruptive technology platforms, providing cost and/or product performance benefits and enabling real market differentiation.

We utilise our hundreds of man years of experience in development, analysis and assurance to deliver significant competitive advantage to our customers.

We have state-of-the-art ISO 17025-certified laboratories in the UK and USA, and Lucideon-approved laboratories internationally.

In the UK we're a UKAS-accredited testing laboratory (No. 0013).

Under the Construction Products Regulation (EU) 305/2011, we are a Notified Body (NB 1289) for the assessment and verification of construction products.

### **Versatile purpose-built facilities.**

- Large-scale construction and engineering laboratory
- 300 anchorage strong-floor, each anchor having a 100 tonne capacity
- Large load lifting capability with 11m clearance
- Loading rigs with 900 tonne capacity
- 5 large-capacity hygrothermal testing chambers
- Indoor dynamic wind loading and wind uplift test rig with a 6.2 x 3.6m chamber



# WHAT LUCIDEON CAN DO FOR YOU

Our knowledge and experience of the construction industry is backed up by our multifaceted consultancy, testing, R&D and materials technologies capabilities.

## Consultancy

Our experts have worked on diverse projects across a wide range of industries; they bring this knowledge to your project, cross-fertilising technologies and solutions to ensure that your products and processes are performing optimally.

And, should things go wrong, we work to find the root cause of failures and implement suggested measures to stop them reoccurring.

Our expertise is backed up by a comprehensive suite of analytical and characterisation capabilities. We can scale-up from pilot to process scale to enable a smooth transition from lab to manufacture.

## Testing

From raw materials and finished products and systems, through to full size structures, our laboratory and on-site analysis covers it all.

Physical and chemical tests can be customised and carried out to a variety of national, European and international standards, to demonstrate adequate performance, support new product development or for certification prior to product launch.

Thanks to our industry knowledge and the close work that we do with many regulatory bodies, we can guide you through the maze of current regulations and guidelines.

## R&D and technologies

You need to stay ahead of the game, be first to market and gain a competitive advantage through developing the next generation of products, processes and applications. Our aim is to help you do just that.

R&D for the construction and related engineering industries is a core part of the services we offer. Our R&D service covers new materials and technologies, problem solving and process improvements.

Whoever we are working for, whatever the funding route and research objectives, our aim is always the same - to innovate, implement and improve performance and profitability.

## In practice...

“For the 28 years I have worked at Ancon, we have utilised Lucideon for the vast majority of our product testing. Lucideon provides a fast, friendly, efficient and confidential service and its expertise across masonry and concrete provides us with a one-stop shop for our testing requirements. Lucideon is acknowledged as the expert in its field and the team at Lucideon is always willing to offer advice and is proactive in helping us to find solutions, especially in the development of new products. We feel we are not just a customer of Lucideon but more of a partner.”

Stuart Maxwell, Group Managing Director,  
Ancon Building Products



# SERVICES PORTFOLIOS

In the pocket on the back of this brochure, you'll find our sector portfolios. Our portfolios give you a brief overview of some of the services we provide for:

- Product manufacturers
- Offsite & modular buildings manufacturers & suppliers
- Consultancies
- Contractors
- Local government
- Facilities management



## Case Studies

### The re-development of Battersea Power Station

On-site sampling and hygrothermal modelling were used to evaluate the current condition of the brickwork in various parts of the Grade II\* listed building. The evaluation established that there was little risk of future moisture-related issues to the internal surface of the walls and that the exposed external layer will not become sufficiently wet to risk damage by freezing.



### Chernobyl Nuclear Power Plant New Safe Confinement

The New Safe Confinement cladding system components were tested, and test rigs designed and built to test the entire cladding system. The testing programs confirmed that the chosen material and structural properties of the cladding exceeded the specification for the performance of the roofing system.





# TECHNOLOGY PARTNERSHIPS

At Lucideon we understand that organisations are faced with increasingly complex issues, from current and impending legislation to improving efficiency, performance and profit. Becoming a Lucideon Technology Partner helps you to meet these challenges head-on. Using our unique expertise, information resources and cross-industry knowledge we can help you to both develop new products and technologies and solve those day-to-day problems.

## Technology Partner support

Use Lucideon as an additional knowledge centre or an extended technical network. Our experts understand your business, industry and challenges, helping you to work through technical issues, improve products and processes, and innovate around the products of the future.

## Knowledge resources

Stay ahead of the field with our Information Service. With tailored alerts to your inbox, a comprehensive search service and 24/7 access to our World Ceramics Abstracts database, we can help you to source all the ceramics and materials information you need.

## Benefits that make an impact

As well as making the most of our insights, information and expertise, you'll also receive benefits that impact your bottom line, including testing and training discounts, banked allowances as part of your subscription, and networking.

**“ WHEN WE WANT INDEPENDENT ADVICE, WE TURN TO LUCIDEON’S EXPERTS FIRST. AND WHEN WE NEED INFORMATION ON MATERIALS, PRODUCTS OR THE INDUSTRY, WE KNOW WE CAN DEPEND ON THEIR INFORMATION SERVICE. WHETHER WE’RE LOOKING FOR ONE-OFF SUPPORT OR PARTICIPATING IN COLLABORATIVE INDUSTRY PROJECTS, BEING A TECHNOLOGY PARTNER BRINGS CONSIDERABLE BENEFITS AND ADVANTAGE TO OUR BUSINESS. ”**

Andy Batterham, Director of Technical Services, Ibstock Brick





# CONTACT DETAILS

**Your sales contact should be your first port of call if you want to talk to us about anything.**

## Technical Sales Consultants

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**And our Customer Liaison Group is always on hand should you have a query or need any more information.**

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