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ISSUE 3

NEW SERVICE - CURTAIN WALL TESTING

We're pleased to announce the launch of a new service, testing of curtain wall systems to BS EN 13830 and CWCT standards. We are able to conduct all of the tests for both of these standards to ensure product safety and performance.

Examples of the tests conducted include:

- Air leakage
- Impact resistance (static or dynamic)
- Rain penetration
- Structural serviceability
- Glass testing
- Anchor bolt pull-out tests

Our curtain walling tests utilize our unique wind loading facility; a testing system that offers complete programmable control of the loading parameters in a safe environment.

For further information, please contact:

Steve Newman, Product Manager
on: **+44 (0)1782 764356**
or email:
steve.newman@lucideon.com

UPDATE FROM **Dr GEOFF EDGELL**

DIRECTOR AND PRINCIPAL
CONSTRUCTION CONSULTANT



Welcome to the third edition of Lucideon's Construction Newsletter, a chance for us to share our latest developments and service insights.

We're continually investing in and expanding our services and facilities. Of late, we've joined forces with North Carolina State University to extend our construction service offerings in the US. We've also launched a new service for curtain wall systems; testing to BS EN 13830 and CWCT standards.

We have many events planned for 2016 at our headquarters in Stoke-on-Trent, from training courses and workshops, through to conferences and industry meetings. We've only been able to include a selection in this newsletter - information about other forthcoming events can be found on our website.

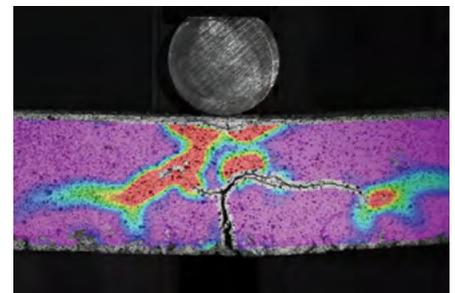
Jamie Pimblett-Speck recently joined the team as Technical Sales Consultant. Jamie is responsible for handling new enquiries and visiting clients to advise on how we and/or our services can assist them. Before joining Lucideon, Jamie graduated with an MSci in Chemistry from Imperial College London.

Read on to find out how our people and services can really help you...

DIGITAL CONSTRUCTION FORUM 2016

THURSDAY 16 JUNE 2016,
LUCIDEON HEADQUARTERS,
STOKE-ON-TRENT, UK

During this forum, industry experts will share their views on how new digital technologies are changing the sector and the way that we work. The forum will also provide the opportunity for you to learn more about the latest initiatives and projects within the arena from the developers themselves.



Further information about the event will be published shortly. Register to attend the forum at www.lucideon.com/forum

Got a question?

Please give me a call on:

(UK) +44 (0)1782 764400

or email:

geoff.edgell@lucideon.com

2016 GROUP TRAINING SCHEDULE

The Group Training Schedule for 2016 is now available. The comprehensive courses span ceramics, sustainability, refractories and assurance training.

The training courses have been developed in response to the success of those run throughout 2015 and the demand from clients for more this year. The courses are delivered by our industry experts who will provide an in depth understanding of the topics covered, targeting business needs and applications in particular.

In addition to the courses on offer at our headquarters in Stoke-on-Trent, we can also provide bespoke on-site training to meet individual business requirements.

For more information and/or to register for a place on a course, visit www.lucideon.com/grouptraining

THIRD PARTY CONSTRUCTION DISPUTE ASSESSMENTS

The frequency and severity of construction conflicts and disputes over the years has increased significantly. Claims and disputes are time consuming and costly, processes which can often be avoided through the employment of an independent and impartial adjudicator.

Our experts can act for all parties involved in a dispute in order to determine the fault cause(s) and a potential resolution(s). With our experience and resources, we can examine the facts and where necessary, conduct on-site assessments to provide third party independent evidence. This can help to resolve disputes prior to legal action being taken.

For further information about our mitigation services, contact **Steve Newman**, Product Manager on: **+44 (0)1782 764356** or email: steve.newman@lucideon.com

DYNAMIC WIND LOADING AND UPLIFT TESTING



Did you know that our roofing and cladding services include dynamic wind loading and wind uplift testing for walls, facades, rain screens, external wall insulation (EWI) systems, pitched and flat roofing, solar panels and veture kits?

Our indoor testing system enables products or systems to be loaded under negative/positive pressures by air of various speeds and tested to CWCT Standards, ETAG 005, ETAG 006, ETAG 017, ETAG 034, EN 13830 and bespoke programmes. We also provide accredited tests such as pull through of fixings, flexural strength, hygrothermal resistance, material properties of installation, hard and soft body impact resistance and ETAG 022; these are often prerequisites in standards which require dynamic wind loading tests.

To find out more about our dynamic wind loading and uplift testing services, visit

www.lucideon.com/dynamic

Alternatively, contact

Steve Newman, Product Manager
on: **+44 (0)1782 764356**

or email: steve.newman@lucideon.com

NORTH CAROLINA STATE UNIVERSITY COLLABORATION



As part of the expansion of our construction services into the US, we have entered into collaboration with North Carolina State University (NCSU). The partnership will provide us with access to the university's Structural Systems Laboratory which is part of the Constructed Facilities Laboratory at the Centennial Campus in Raleigh, North Carolina.

In addition to our specialized laboratory facilities in Schenectady, New York, clients will have access to a 4,500sq ft reaction space where large-scale structures can be tested. The arrangement also gives access to knowledgeable faculty staff who specialize in fibre reinforced polymers, conventional and high strength concrete, steel, masonry and timber, amongst other materials.

RAISED ACCESS FLOOR TESTING AND CONSULTANCY



We provide testing and consultancy services for all aspects of raised access flooring, from manufacturing, importing and distributing, to specifying and installation.

- Performance specification testing
- Standards compliance
- Quality control at delivery
- Air plenum testing
- Substrate appraisals
- System appraisals

We are UKAS accredited testing laboratory (No. 0013) for PSA specification and also able to test to BS EN 12825:2001 requirements.

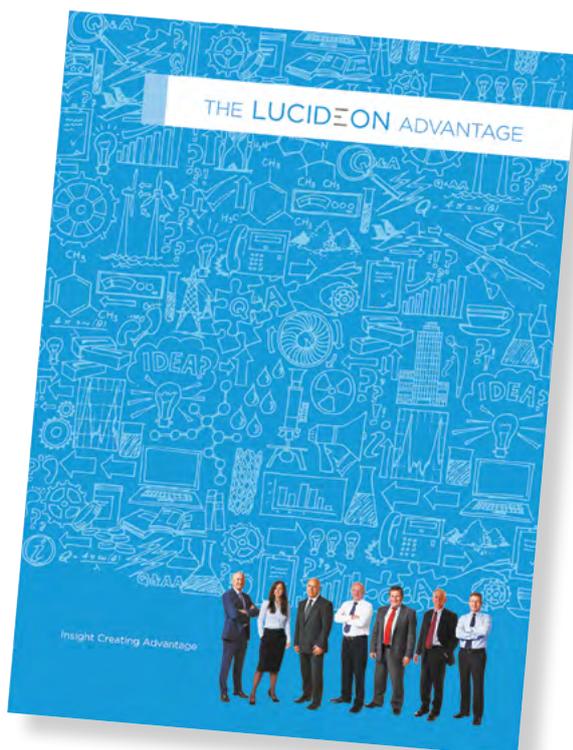
Find out more about our raised access flooring services at www.lucideon.com/raf

Alternatively, contact Dave Dix: **+44 (0)1782 764408** or dave.dix@lucideon.com

TAKE A LOOK AT OUR NEW CORPORATE BROCHURE

We've just published a new corporate brochure. The brochure is now available to view or download as a PDF file at

www.lucideon.com/corporate-brochure



MEET... ÁLVARO ENGUIITA



Álvaro is our Operations Manager for Construction. He has a BSc in Construction and Surveying and manages the operations at our Construction Laboratories in Stoke-on-Trent.

As both a Chartered Engineer and Manager, Álvaro began his career working for construction and engineering consultancy companies in Spain before moving into manufacturing. Prior to joining Lucideon, Álvaro worked for an international group that design and manufacture precision engineered and power transmission products.

He's keen to meet up with you to find out what your challenges are and how we can help to solve them.

Call Álvaro now on: **+44 (0)1782 764274** or alvaro.enguita@lucideon.com

BIM SERVICES

In line with the UK Government Construction Strategy, that sets April 2016 as the target date for the adoption of level 2 BIM on centrally-procured public projects, we have developed a range of BIM support services for construction product manufacturers. The services are designed to help manufacturers collaborate more efficiently with all stakeholders in the construction project life-cycle.

To find out about how we can help you take advantage of BIM and develop digital construction opportunities, please contact Alvaro Enguita, Operations Manager, Construction:

+44 (0)1782 764274 or alvaro.enguita@lucideon.com

LIGHT REFLECTANCE VALUE TESTING

Published in 2013, 'Access to and Use of Buildings' in the Building Regulations is concerned with provisions to assist the disabled, including the visually impaired. The guidance highlights the need for certain surfaces and features to "contrast visually" with their surroundings; Light Reflectance Value (LRV) testing has therefore become important to designers, manufacturers and building owners.

Areas of particular interest, which can be found in any public building (e.g. hospitals, schools, shopping centres, hotels, etc.) are:

- Wall to ceiling and wall to floor junctions
- Exposed edges of sloping floors
- Seating and its surroundings
- Leading edges of doors, door opening furniture and door surfaces
- Stair nosings
- Sanitary fittings and grab bars

Thanks to our colour measurement and standards experience, we are able to offer LRV testing and consultancy. We have full knowledge of the current guidance in the Regulations and in the relevant Codes of Practice, BS 8300: 2009 +A1:2010 - that where illuminance on surfaces is greater than 200 lux, a difference in light reflectance value should be a minimum of 20 points.

We work with manufacturers who are often advised to publish LRVs for their products (for example, by the Guild of Architectural Ironmongery) and designers and end-users who are increasingly demanding to know LRVs.

Contact Sean Hillman, Business Manager, for more information about LRVs and/or our LRV service offerings:
+44 (0)1782 764321 or
sean.hillman@lucideon.com



ETSMarkets

EU ETS WORKSHOP

5 MAY 2016
LUCIDEON HEADQUARTERS,
STOKE-ON-TRENT, UK

Our EU Emissions Trading Scheme (EU ETS) workshop, 'Understanding the Carbon Market, Evaluating Future Compliance Costs and Managing Trading Requirements', will provide delegates with an understanding of the current and future EU ETS policy, factors affecting the price of carbon, background on the EU carbon market, and how to trade carbon allowances, as well as detailed guidance on the scheme rules.

Independent expert Tim Atkinson of ETS Markets Limited will deliver the workshop and help attendees assess their own EU ETS position, obtain advice on their organization's circumstances and plan a trading strategy to manage compliance needs.

Find out more about the EU ETS workshop and/or register at
www.lucideon.com/carbon

BUILDOFFSITE DIRECTION GROUP MEETING

As a new member to Buildoffsite, we hosted their first Direction Group Meeting of 2016 at our headquarters in Stoke-on-Trent on 23 February. Following on from the meeting, members were given a tour of our Construction Laboratories and Field Enhanced Sintering Pilot Plant.

Information about Buildoffsite's 2016 events can be found at
www.buildoffsite.com/news-events/events/



INNOVATION NETWORK CONFERENCE



On 13 April 2016, we're hosting and cosponsoring the free to attend Ceramic Innovation Network (CIN) conference, 'Energy Efficiency in Ceramic Processing' with the British Ceramic Confederation (BCC).

The conference will bring together academics and industrialists from all subsectors of the ceramics industry who are seeking to reduce energy consumption and costs within ceramic manufacturing processes.

To find out more about the conference visit
www.ceramfed.co.uk/what-we-do/



R&D TAX CREDITS

Did you know that if you're working on a project with us to develop something new, to improve upon something existing or to solve an industry problem, you may be eligible for R&D tax credits? To qualify, the project must require significant industry expertise and must involve some technological uncertainty.

Visit www.riftresearch.com for more information.

www.lucideon.com/construction
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