

# UK Construction Week

Building **Sustainably**... Building **Productively**...Building **Responsibly**

## DAY 1 - Tuesday 9<sup>th</sup>October

Building **Productively**...

Timings	Workshop	
10:30	<p align="center"><b>Construction Site Digital Performance Capabilities</b></p> <p>Understand BRE's software monitoring tools to help you better meet productivity, safety, health, environmental and quality needs. Learn more on how Smartsite is increasing performance through projects, organisations and supply chains. YellowJacket offers an 'easy-to-use' mobile data capture app and comprehensive web-based management system to support your Health &amp; Safety, Quality Assurance and Process Improvement needs. SmartWaste offers environmental monitoring and reporting software to better manage and reduce resource use, waste outputs, impacts, time and costs.</p>	<p align="center"><b>Simon Cross</b> Director, Building Futures Group</p> 
11:00	Q&A	
11:10	Break	
11:20	<p align="center"><b>Structural and Building Investigation</b></p> <p>Whilst building failures are sometimes related to new or unforeseen circumstances, the majority of problems we investigate arise from known criteria, and the genesis can exist anywhere within the initial design concept to the actions of a site operative during installation. Whether investigating a failed detail or a complete system, we will investigate, where necessary, the type of contract used, the location of design responsibility and the site quality control protocols.</p> <p>It is not our experience that failures are the result of roguish behaviour, but more often the result of the simplest of misunderstandings. We examine, for instance, contraventions of the Building Regulations or inconsistency with British Standards which can occur during the writing of a specification just as easily as during construction.</p>	<p align="center"><b>Graham Lee</b> Chartered Architect, Principal Consultant</p> 
11:50	Q&A	
12:00	Break	
12:10	<p align="center"><b>Offsite Construction - New Assessment Methodology and certification scheme for modular homes</b></p> <p>An overview of the forthcoming Standard from BRE Global and the certification scheme; why the Standard is needed, how it is being developed, its stakeholders, how it fits with other schemes and what product manufacturers need to consider for compliance with the new industry standard.</p> <p>The Standard will incorporate Building Regulations, Industry requirements, Comfort factors, enhanced and innovative testing methods for manufacturers to demonstrate higher performance levels of buildings of offsite construction methods.</p>	<p align="center"><b>David Gall</b> Associate Director</p> 

12:40	Q&A	
12:50	LUNCH	
14:00	<p style="text-align: center;"><b>Circular Economy and the Built Environment</b></p> <p>This session will explore the latest developments in the area of circular economy and the built environment. This includes areas such as material passports, reversible building design, measuring circularity, policy developments and real life pilots that illustrate circular economy in action in the built environment. The short &amp; informative sessions will be rounded off with an opportunity to ask questions and gain further insight from around Europe. BRE are a key partner in the EU R&amp;D project – Buildings as Material Banks (BAMB) which concludes in early 2019.</p> <p>A key output from this work is development of a ‘circular building assessment’ methodology and its application, making use of data extractable from BIM (Building Information Modelling). This builds upon many years work in the field of construction &amp; demolition resource efficiency which is still a priority for improvement and firmly embedded into BRE standards, such as BREEAM, and products, such as Smartsite. The transition from resource efficiency into more disruptive, circular economy, practices will be considered, followed by Q&amp;As.</p>	<p style="text-align: center;"><b>Gilli Hobbs</b> Director, Building Performance Group</p> 
14:30	Q&A	
14:40	Break	
14:50	<p style="text-align: center;"><b>Developing Programmes for Industrial Transformation</b></p> <p>Whether we believe it’s all noise or can actually see it happening, the industry is on the cusp of a revolution. It’s a mix of safeguarding jobs, upskilling or attracting and keeping talent, and we can embrace the change in a pragmatic and collaborative way. Hear from the BRE Academy in how it has taken steps to help and work with clients globally to help them in the face of change.</p>	<p style="text-align: center;"><b>Pauline Traetto</b> Director, BRE Academy</p> 
15:20	Q&A	
15:30	END	

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## DAY 2 – Wednesday 10<sup>th</sup> October

Building Sustainably...

Timings	Workshop	
10:30	<p style="text-align: center;"><b>Urban Planning and Design</b></p> <p>Global shifts and trends shape the way we live our modern lives. Designing wholesome sustainable urban environments and communities can help best address these changes. Sustainable Cities generally refers to achieving a balance among the environmental, economic, and social pillars of sustainability. Communities are the smaller pockets of cities, therefore creating sustainable communities can lead to sustainable, thriving cities.</p> <p>In order to create high quality living environments, a wider range of contributing factors, such as socio-economics context and local and demographic priorities must be taken into account. With the ever-rising demand to build more homes and create more communities, are we in danger of creating socially dysfunctional urban environments?</p>	<p style="text-align: center;"><b>Rose Pourmatin</b> BREEAM Communities Scheme Manager</p> 
11:00	Q&A	
11:10	Break	
11:20	<p style="text-align: center;"><b>Construction KPIs - Latest thinking in performance measurement and benchmarking</b></p> <p>Constructing Excellence has two decades of experience in the field of performance measurement of across environmental, social and economic indicators. Now in collaboration with BRE and other industry partners, Constructing Excellence are having a fresh look at how measuring effectively can drive improvement and positive change in today's construction industry. This is in the context of drivers such as the Construction Sector Deal and new priorities in measurement such as social value and productivity.</p>	<p style="text-align: center;"><b>Colm Quinn</b> Project Manager</p> 
11:50	Q&A	
12:00	LUNCH	
12:10	<p style="text-align: center;"><b>Property Resilience - Enhance the resilience of new and existing buildings</b></p> <p>Flood risk is a major issue in the UK with more than 6 million properties currently at risk of flooding, particularly when we know less than 1% of these properties have taken adequate steps to protect themselves. Consequences of a flood event can be swift and extreme. It's not uncommon for people to be out of their homes or businesses for more than 12 months post flood and this has significant social, environmental and economic implications.</p> <p>With climate change comes more extreme conditions and challenges – this session outlines what we can do to understand risk, prepare accordingly and make our homes, businesses and communities more resilient.</p>	<p style="text-align: center;"><b>Matthew Barker</b> Consultant, Centre for Resilience</p> 
12:40	Q&A	
12:50	Break	

14:00	<p style="text-align: center;"><b>Retrofit – Why do we need a better way?</b></p> <p>The session will cover how to avoid unintended consequences and planning for better outcomes when undertaking retrofit on existing buildings. Setting out principles of surveying, designing and understanding moisture risk and moisture movement mechanisms and how poorly planned measures can disturb this performance. Looking at changes in future standards on moisture risk and how to successfully implement them.</p>	<p style="text-align: center;"><b>Colin King</b> Director, BRE Wales</p> 
14:30	Q&A	
14:45	END	

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## DAY 3 – Thursday 11<sup>th</sup> October

Building responsibly...

Timings	Workshop	
10:30	<p align="center"><b>BIM: The Value of Digital Building Information</b></p> <p>Discover how Building information modelling (BIM) utilises information-rich models through collaborative working processes in order to improve the quality of information provided at the design and construction phases to save costs by eliminating waste.</p> <p>Find out how the use of structured data is supporting the development of digital twins and change our interaction with the built environment.</p>	<p align="center"><b>Paul Oakley</b> Director, BIM</p> 
11:00	Q&A	
11:10	Break	
11:20	<p align="center"><b>Fire Safety Design and Management</b></p> <p>This session will give a brief overview of key considerations for fire safety design giving a basic understanding of issues to be considered for compliance with the Building Regulations and the Regulatory Reform (Fire Safety) Order. Issues such as: Means of Warning and Escape, Fire Resistance and Compartmentation, Fire Suppression, External Fire Spread, Access and Facilities for the Fire Service and Fire Safety Management will be discussed.</p> <p>The session will introduce the principle of performance-based fire safety design, and the analytical tools available to Fire Engineers, to aid flexible, innovative building design.</p>	<p align="center"><b>Roger Harrison</b> Technical Director, Fire Safety</p> 
11:50	Q&A	
12:00	Break	
12:10	<p align="center"><b>Fire Safety System Options – Fire Suppression Standards and Updates</b></p> <p>Fire Suppression Products form one element of the overall fire protection strategy of a building. This session will look at the different fire suppression options available to the market and how their application at different stages of fire development can work with the overall fire strategy to mitigate fire development.</p> <p>The session will also look at how systems are specified and the associated Standards and the role of third party certification in underpinning system specifications and performance.</p>	<p align="center"><b>Dr Sarah Colwell</b> Director, Certification and Testing, Fire Suppression</p> 
12:30	Q&A	
12:40	Lunch	

14:00	<p style="text-align: center;"><b>Modern Day Slavery - Why you should start taking Ethical Labour Sourcing Seriously?</b></p> <p>Human rights, due diligence, stronger business governance and ethics are essential to running businesses in the UK. This session will demonstrate the advantages of a novel standard in this area which seeks to demonstrate a commitment to make improvements on ethical sourcing issues.</p>	<p style="text-align: center;"><b>Nigel Jones</b> Team Lead - Sustainable Products</p> 
14:30	Q&A	
14:40	Break	
14:50	<p style="text-align: center;"><b>Property Security – Turning a Grudge Purchase into a Growth Purchase</b></p> <p>Do you begrudge spending on security at your property? Do you find it easy to establish how much you spend but difficult to measure the return? If so, you should attend this session which will highlight how a management systems approach can provide transparency and help you target your organisation’s valuable resources and turn spending into investment.</p> <p>If you are going to invest, you need to ensure you maximise your return. You need to think holistically and identify how security can contribute to increased growth, rather than constrain your organisation’s ambitions. Your tenants, customers and stakeholders are becoming increasingly security conscious; make sure you use this to your advantage by adopting a mature approach to security risk management.</p>	<p style="text-align: center;"><b>Gavin Jones</b> Director of SABRE</p> 
15:20	Q&A	
15:30	END	