



# Green Sky Thinking Week

## 20-24 April 2015

Open City | Greensky Thinking

**Sponsors**

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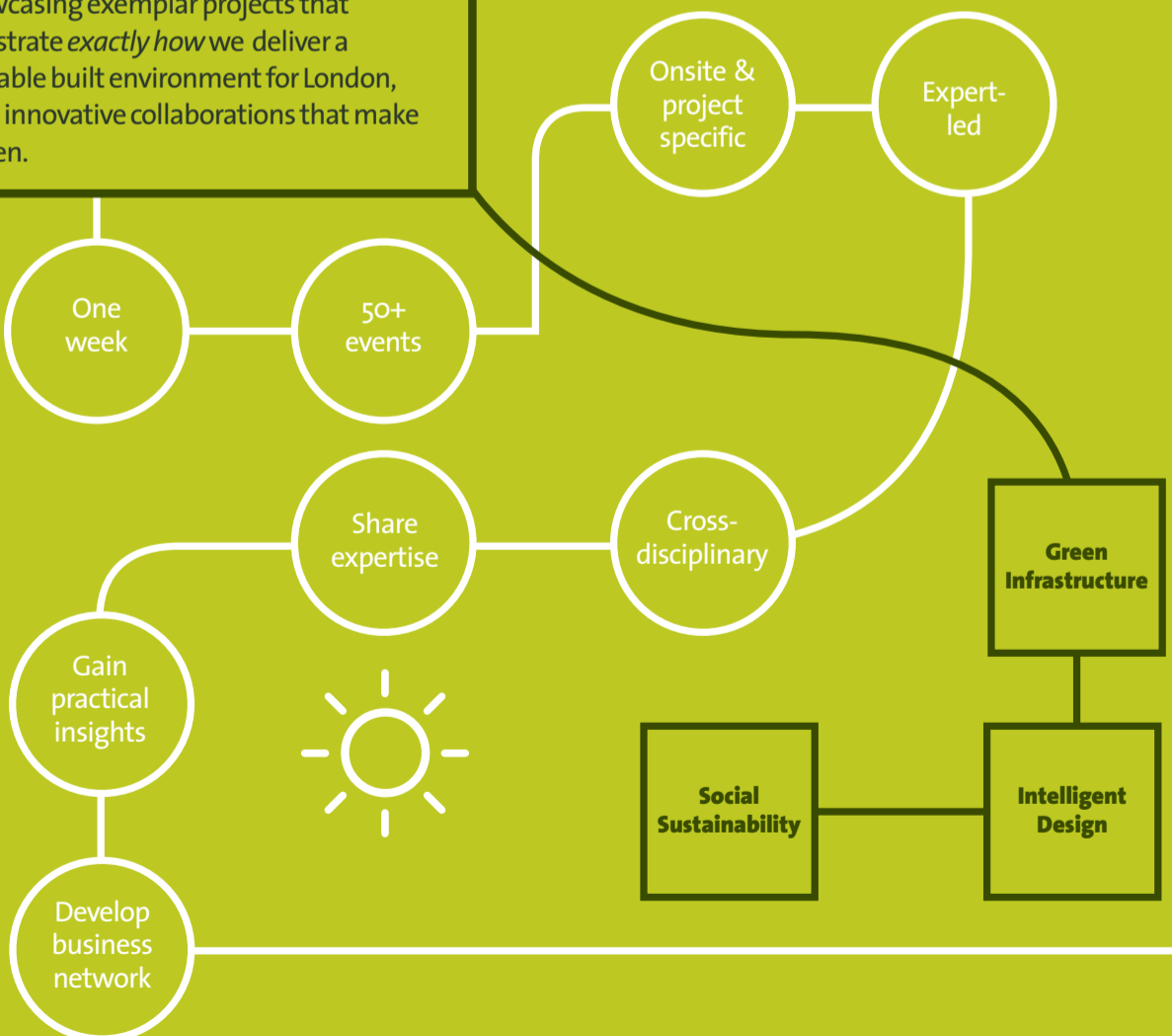
**About Open-City**  
Open-City is London's leading independent, non-profit built environment organisation. It champions the value of well-designed places and spaces in making a liveable and vibrant city and the role everyone places within it. Our mission is to champion a better-built environment and by implication a more sustainable one.

**@opencityorg #greensky**  
Nic Wedlake, Peabody  
Mark Sparvell, Interface  
Duncan Price, BuroHappold Engineering  
Alex Nickson, Greater London Authority  
Isabel McAllister, Mace  
Paul Heather, Skanska  
Hattie Hartman, Architects' Journal  
George Georgiou, Elliott Wood  
John Davis, Derwent London  
Nic Crawley, AHMM  
Sarah Cary, British Land  
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**Green Sky Thinking Week...**  
How do we make the exceptional the norm? By showcasing exemplar projects that demonstrate *exactly how* we deliver a sustainable built environment for London, and the innovative collaborations that make it happen.



**20-24 April 2015**  
2015 marks the 5th year of Green Sky Thinking Week, the sustainability initiative of Open-City.

*"Now in its 5th year Green Sky Thinking has become a much anticipated annual event in the industry calendar, it continues to champion best practice, thinking and collaboration for a sustainable London and its communities."*  
Victoria Thornton OBE, Founding Director, Open-City

During the week leading industry professionals will highlight their solutions to current London challenges through the programme themes: Green Infrastructure; Intelligent Design; and Social Sustainability.

Addressing the need for joined-up thinking, Open-City invites every stakeholder to join the conversation. All events are free to attend but reserving your place is essential. Check greenskythinking.org.uk for full event information and the most up-to-date event listings.

@opencityorg #greensky

**Book your place now**  
[greenskythinking.org.uk](http://greenskythinking.org.uk)





# GreenSky Thinking

## Event listings by day



Book your place  
[greenskythinking.org.uk](http://greenskythinking.org.uk)

## Monday 20 April

**ECD Check Up!**  
**ECD Architects**  
 10.00am-12.00pm & 6.30pm-8.30pm  
 Practise what you preach, ECD architects present their own office P.O.E. findings and discuss the tools you could use to evaluate your own work and living spaces.

**Standardising Green in Commercial Buildings – Essential or Nice to Have?**  
**Skanska**  
 8.30am-10.00am  
 Why sustainable commercial buildings should be the norm rather than the exception. World Green Building Council research, supported by Skanska, suggests green buildings are healthier for those in them. Discuss the key issues at our insightful event showcasing the benefits of green construction.

**Achieving Net Gain Biodiversity at an Industrial Site**  
**EC Harris**  
 6.00pm-8.00pm  
 Can construction and biodiversity be a win? EC Harris have worked with Nike to develop a new logistics factory which will achieve net gain of biodiversity. Solutions were chosen favouring biodiversity, but also to benefit society and Nike business operations. Hear how to quantitatively score biodiversity & make it count in the London context.

**Engineering the Future**  
**BuroHappold Engineering**  
 6.00pm-8.00pm  
 From digital design, big data and wearable technology through to research on how integrated design can deliver improvements on energy, carbon, health, wellbeing and productivity, BuroHappold will present a series of innovations and research from the leading edge of delivering sustainable buildings and cities.

**Educating the Industry**  
**EDGE Debate, Open-City & LSBU**  
 7.00pm – 8.30pm  
 How do we educate the construction industry to enable the rapid delivery of low carbon retrofits of existing buildings in order to reach the UK's 2050 carbon emissions targets? 'Educating the Industry' is Green Sky Thinking's spotlight Green Debate in partnership with the EDGE Debate Series and LSBU. Tackling the green-skills gap of mid-career professionals and the ramifications of their leadership in the next 30 years.

**None of Us are Smarter than All of Us**  
**Interface**  
 6.00pm-8.00pm  
 Interface hosts a panel discussion on how businesses are being transformed by collaborative and innovative partnerships to push the boundaries and inspire new ideas to meet their sustainability and business goals.

**Night Sky Talks**  
**Levitt Bernstein**  
 6.30pm-8.00pm  
 A series of incisive talks by key note speakers from academia, planning, construction, consulting and development, focusing on seminal changes in the approach to sustainability from the past and how these might influence our future thinking.

## Tuesday 21 April

**Making Cities Work**  
**Arup**  
 8.00am-10.00am  
 21st Century Thinking, 21st Century Creativity and 21st Century Technology. This describes our people at Arup who care passionately about making cities work and meeting societal need for future generations. We believe through innovation and evolution there is a certain inevitability that good design will transcend.

**The Opportunities & Challenges of Building Farringdon Crossrail Station**  
**Crossrail and Bam Ferrovial Kier Joint Venture**  
 8.00am-9.00am  
 An onsite event looking into the environmental aspects of constructing a new Crossrail Station in central London, covering issues such as energy reduction, air quality improvements and green walls. As well as working in and around the local community and businesses such as the Grade II\* listed Smithfield Market.

**Sky's Believe in Better Building**  
**Mace and Sky Academy**  
 8.00am-10.00am  
 Join Mace and Sky for a tour of the new Sky Believe in Better Building in the heart of the campus and see how Sky's Bigger Picture sustainability strategy is delivering green infrastructure and supporting communities. Hear thought-provoking debate on the successes and challenges of achieving low carbon infrastructure, bio-diverse master-planning and positive social impact in an operational campus.

**White Collar Factory: Bringing Innovative Ideas to the Workplace**  
**Derwent London**  
 8.30am-11.00am



Discussion with Derwent London, AHMM, Arup and Brookfield about White Collar Factory project and how the design concept has come to life.

**Stebon Primary – A School Heated by the Power of Children**  
**Bouygues**  
 4.00pm-6.00pm  
 From proposal to construction and the critical lessons learnt in between, hear from Bouygues UK about the construction of the first Passivhaus certified School in London. Speakers include Aurélie Cleraux, Head of Sustainable Development, Bouygues International.

**Remaking London**  
**BuroHappold Engineering and University College London**  
 6.00pm-8.00pm  
 80% of the buildings that will be with us in 2050 already exist so sustainable refurbishment of our existing stock is essential for reducing emissions. BuroHappold and UCL will present insights and experience from refurbishment of the college estate and collaborative research on how to close the energy performance gap between design intent and reality.

**Building for an Adaptable Future**  
**Nicholas Hare Architects**  
 6.30pm-8.30pm



Too often we see relatively new buildings being torn down and replaced. We need to consider adaptability of buildings, and how advancing digital communications might change the way buildings could be designed and occupied in future. Sustainability can be applied in London.

**How to Build a Sustainable Railway?**  
**Crossrail**  
 6.00pm-7.00pm  
 Using the BREEAM framework, this event will focus on building sustainable railway infrastructure not just during

construction but also during its operational phase. Topics will include sustainable materials, recycled content and operational energy, along with introducing some of the innovations Crossrail have trialled along the way.

**Green Sky Thinking Pub Quiz**  
**Pollard Thomas Edwards**  
 6.00pm-9.00pm  
 Put your sustainability knowledge to the test! PTE Quizmaster Tom Dollard will be asking sustainability-based questions with a few jokers thrown in! Register a team or as an individual and attempt this fun, educational quiz held at the award winning Pollard Thomas Edwards' canal side office in Islington.

**Passivhow-tos**  
**Tate Harmer and Cocreate**  
 6.30pm-8.00pm



Taking experience from previous projects such as Barrenger Road and Hoo House, Tate Harmer discuss their experience of designing and building beautiful low-energy and Passivhaus buildings, often on a tight budget, and explain their findings to date.

**Continuous Improvement – Learning from the Latest Buildings**  
**XCO2 Energy and Innovate UK**  
 6.30pm-8.30pm  
 Presenting some of the findings from the 100 Building Performance Evaluation projects from Innovate UK's £8m funding competition, the event will provide an insight into the BPE techniques carried out, the data collected and their findings.

## Wednesday 22 April

**Breathe Easy**  
**Cundall**  
 8.00am-10.00am  
 A talk and tour of the Mildmay Community Centre, alongside Justin Bere of bere.architects and Dusty Gedge Urban Ecologist and President European Federation of Green Roof Association, talking about how plants improve air quality, how green roofs and solar panels can be integrated, and whether plants should be considered to be renewable energy.

**Healthy Cities – A Wake Up Call**  
**LUC Consultants**  
 8.15am-9.45am  
 London's population is now 8.6m, and predicted to reach 11m in 2050. How can the power of nature help to restore balance and harmony in the inner-city environment? A quick-fire discussion will look at the health impacts of living in a city, beating rising child inactivity and obesity, green infrastructure, plus the launch of a new widget that values urban green space.

**Large Scale Reinvention – University of Amsterdam**  
**Allford Hall Monaghan Morris**  
 8.30am-10.00am  
 Hear from the architect and client how the 2014 AJ Retrofit of the Year has reinvented two large utilitarian buildings from a previous era in the heart of the Dutch capital. Discuss with the project team how the project's approach to technology, design and sustainability can be applied in London.

**Sustainable Workplace – Does it have an Impact?**  
**JLL**  
 8.30am-10.30am  
 See a sustainable workplace in action and discover the impact it has had on operations. JLL's office was refurbished, to Ska Silver standard, last year to facilitate agile working and create a more productive and fun environment for staff.

**Mind the Gap: People and Building Performance**  
**Cullinan Studio and Max Fordham**  
 5.30pm-7.30pm  
 Two years on, is Cullinan Studio's retrofit office performing as predicted? At this case study building hear the project team discuss how we can understand building physics alongside qualitative user experience.

**British Land: From the Inside Out – Creating our own Place of Preference**  
**Mace, British Land, Morey Smith & GVA**  
 5.00pm-6.30pm  
 An honest look at British Land's head office refurbishment. Across 40,000 sq ft, a new internal staircase, refreshed meeting suite and staff working areas certified to BREEAM Fit-Out Excellent to create a stylish, interactive, healthy and productive environment. Take a tour and hear from the architects, contractors and staff about creating a place we prefer to work in.

**Building as a Lab?**  
**Hawkins\Brown and Newcastle University**  
 6.00pm-8.00pm  
 Newcastle University, Hawkins\Brown, BuroHappold Engineering and bld Landscape Architects discuss their emerging designs for the Newcastle University Urban Sciences Building and it's ambitions to facilitate digitally enabled urban sustainability research.

**Social Engineering**  
**Max Fordham**  
 6.00pm-8.00pm  
 Should designers aim to influence occupant behaviour, or does the way people occupy a space dictate how it should be designed? 'Social engineering' is an expression heavy with the weight of manipulation. But viewed another way, it could be the highest aspiration for the built environment.

**Banister House Community Energy Project**  
**LB Hackney**  
 6.00pm-8.30pm  
 Hackney Council has worked to establish the Borough's first community owned solar PV project on the Banister House Estate in Homerton. The session with Repowering London and local stakeholders will explore what to expect and the issues that were faced from delivering a project of this complexity.

**Overheating**  
**PRP Architects**  
 6.00pm-7.30pm  
 Considering climate change and resilience in relation to housing and communities, the expert panel will present on topics including the risk of extreme weather events, overheating, flooding and subsidence and how this affects urban and building design, community resilience, health and wellbeing.

**Housing – Inconvenient Truths**  
**Mole Architects, 5th Studio, Beyond Green and Pitman Tozer Architects**  
 6.30pm-8.30pm  
 Good design improves lives, but solving the housing crisis requires changes in politics, economics and care for 'society' – coupled with long term planning to better lives in a more sustainable world. How can the profession help? Meredith Bowles, Mole Architects; Tom Holbrook, 5th Studio, Jonathan Smiles, Beyond Green; and Luke Tozer, Pitman Tozer Architects question the way things are.

**Biophilic Design – Designing For Health & Wellbeing From The Ground Up**  
**Interface with Surface Show Design Presents**  
 6.30pm-8.30pm  
 Health and wellbeing are hot topics in the workplace right now. Find out why the likes of Google, Apple and Interface are investing in Biophilic Design to realise psychological and physiological health benefits within the workplace. With guest speaker Oliver Heath.

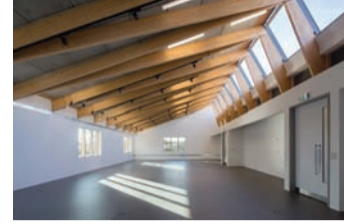
## Thursday 23 April

**Working with New and Old at King's Cross**  
**Bennetts Associates, Argent and LB Camden**  
 8.30am-10.30am  
 Onsite talk at the completed Camden Council's new BREEAM 'Outstanding' building at 5 Pancras Square with architect, developer and client. Here how Bennetts have been designing sustainable buildings at King's Cross for a number of years, followed by guided tours of the future development of Midland Goods Shed site.

**What is the role of the Structural and Civil Engineer in Sustainable Construction?**  
**Elliott Wood**  
 8.30am-10.00am  
 What is the best approach to providing sustainable design to the client and consultant without just ticking boxes –

should clients and consultants lead the engineers scope; how can the engineer measure performance; and what more can be done? Hear from Elliott Wood, KLH Sustainability and Wilkinson Eyre on the contribution of the Structural and Civil Engineer.

**Tour the New Studio Building, Wimbledon College of Arts**  
**Penoyre & Prasad, Clearsprings Energy Solutions and Downie Consulting Engineers**  
 8.30am-10.00am



Informative building tour led by Penoyre & Prasad of the recently completed BREEAM Outstanding New Studios at Wimbledon College of Arts. Presentations by the architect and engineer will discuss how this award winning exemplar of sustainable design was achieved.

**Can Construction really be Sustainable?**  
**David Ball Group**  
 8.30am-10.30am  
 Getting to the core of whether construction can ever really be sustainable, a panel of industry experts tackle the golden question by discussing the development of innovative products, the role of codes and standards and how to embed sustainability throughout projects and company strategy.

**The Social and Business Return on Investment for Developments**  
**Greengage Environmental LLP, British Land and John Robertson Architects**  
 8.45am-9.45am  
 Taking all perspectives the event will use case studies to discuss sustainability initiatives that demonstrate social & financial return on investment. Examining why some projects were more successful than others and what challenges must be overcome to further sustainability.

**Deep Blue Thinking at King's Cross**  
**Argent**  
 9.00am-10.00am



The site visit presentation of 'King's Cross Pond Club' will discuss green infrastructure and how its environmental, as well as health and wellbeing characteristics, are establishing it as a key consideration in the future cities debate. How King's Cross development will also create and deliver a sustainable place will be explored and the role green infrastructure plays within this.

**Olympic Legacy**  
**Mace**  
 4.30pm-6.30pm  
 In 2012 London hosted the greenest games in history and the subsequent Transformation phase opened venues and parklands to the public. However the Legacy phase of development will create communities and a business/cultural hub that will ensure the Queen Elizabeth Olympic Park is truly sustainable. For the second year running, Mace is hosting a hunt around the park, followed by a few drinks. Competitive spirit welcomed!

**The Green Dream**  
**Jestico + Whites**  
 5.30pm-7.00pm  
 A panel discussion, featuring architects Jestico + Whites and friends, will present designs for their own homes before collectively discussing the relationship between green ambition and realistic sustainable approaches for architects to push the boundaries.

**Sustainable City Infrastructure for Major Developments**  
**BuroHappold Engineering and Quintain Estates & Development**  
 6.00pm-8.00pm  
 Large scale, long term regeneration and development are driving growth and shaping spaces in London but how do we provide the necessary infrastructure to deliver the transition to a sustainable city? Hear lessons learned from delivery of Wembley Park, one of the capital's leading new urban quarters.

**Towards a Happy Healthy Workplace**  
**Elementa Consulting**  
 6.15pm-7.30pm  
 Hosted by Allied World at their new offices on the 18th floor of 20 Fenchurch Street, Elementa Consulting bring together a cross section of speakers in a 20 x 20 format to present their perspectives on creating happy and healthy workplaces. Expect surprising insights from research, design, engineering, sustainability and end-user viewpoints.

**Passivhaus Uncovered**  
**Architype**  
 6.30pm-9.00pm  
 Exploring the reality of procuring and achieving Passivhaus at design concept and delivery stage – a client's and architect's perspective. A session providing insight into the challenges and successes faced in the technical design delivery role and implementation of best practice from the outset.

## Friday 24 April

**Speculative and Green!**  
**Mace and Crown Estates**  
 8.00am-10.00am



Hear from The Crown Estate and Mace on their shared experiences and lessons learnt of delivering a whole life approach to building sustainability at 10 New Burlington Street and 1 New Burlington Place. This collaborative event showcases how The Crown Estate's sustainability strategy manifests itself at both a portfolio and single building level, focusing on new world-class developments on Regent Street.

**The Role of Living Walls within Sustainable Cities**  
**Biotope**  
 9.00am-10.30am  
 What is the future of living walls amid the wider context of green infrastructure? Discussion on their role within long-term environmental strategies to create sustainable cities, and the design considerations required to make them resilience and successful, such as implementation and future maintenance.

## More highlights...

**How to house London?**  
**Open-City**  
 Out of obstacles comes opportunity, but will the housing crisis breed a greener home or will sustainable design slip off the agenda? Young and fresh thinkers tell us of their 'small ideas with big impacts'. Open-City's quick-fire 20x20 Thinking Green event returns for the second year.



Book your place now:  
[greenskythinking.org.uk/book](http://greenskythinking.org.uk/book)