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17
Training Day

25.10.17

Developing Lean Expertise

The LCI-UK

Lean Construction Training Day

Wednesday 25th October 2017

The LCI-UK Training Day 2017, at the Matthew Boulton College of BMet, will be a day of intensive workshops designed to increase your knowledge and experience of implementing Lean in construction.

The workshops are offered by Lean practitioners with many years' experience in the industry.

The emphasis in all the workshops is on the practical application of Lean, with each facilitator sharing case studies and examples from the field. The workshops are interactive and will focus on equipping you with tips, ideas and starting points for introducing or implementing Lean more comprehensively in your organisation and supply chain.

If you are a Lean novice we recommend that you select the Introduction to Lean Construction workshops. If you already have some understanding of Lean, however, and would like to increase your knowledge and experience in specific aspects, there is a wide range of workshops to choose from.

We look forward to welcoming you to a day of learning, networking and new perspectives...

... so **click here** to book your place **NOW!**

Book now!

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The Programme & format for the day

- 08.00 - 08.45 Registration and coffee
- 08.45 - 09.00 Welcome and introductions
- 09.00 - 10.30 Morning Workshops
- 10.30 - 11.00 Coffee break
- 11.00 - 12.30 Morning Workshops (*continued*)
- 12.30 - 13.15 Lunch
- 13.15 - 13.45 Structured Networking
- 13.45 - 15.15 Afternoon Workshops
- 15.15 - 15.30 Tea break
- 15.30 - 17.00 Afternoon Workshops (*continued*)
- 17.00 Day ends

Please note: the programme
may be subject to change.

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The workshops

Delegates may choose one morning and one afternoon workshop.

Morning workshops

Introduction to Lean in Construction

Lean Techniques, an Introduction

Victoria Shaw & Stephen Greenhalgh (*Highways England*)

Visual Management & Control Rooms

Brian Swain & Mark Worrall (*Lean Construction International*)

How to Embed Lean Thinking and Develop a Culture of Continuous Improvement

Gary Peters (*Skanska*)

Delivering Design through Lean Thinking

Steve Clark (*Turner & Townsend Suiko*)

In pursuit of perfect process with BIM and Lean

Heikki Haltulla (*Viasys VDC*)

Afternoon workshops

Introduction to Lean in Construction

Lean Techniques, an Introduction

Victoria Shaw & Stephen Greenhalgh (*Highways England*)

Visual Management & Control Rooms

Brian Swain & Mark Worrall (*Lean Construction International*)

How to Embed Lean Thinking and Develop a Culture of Continuous Improvement

Gary Peters (*Skanska*)

Make Ready In Lookahead Planning

Professor Christine Pasquire & Paul Ebbs (*Centre for Lean Projects, School of Architecture, Design and Built Environment, Nottingham Trent University*) and Peter Walthall (*Harry Fairclough Construction*)

Developing & Deploying Lean Leaders Throughout the Business

David Anderson & Stuart Willis (*BAM Nuttall*)

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The workshops

Introduction to Lean in Construction

Lean Techniques - an Introduction

Stephen Greenhalgh and Victoria Shaw (*Highways England*)

This workshop is an introduction to Lean techniques and how they can be applied to the construction industry.

Who is the workshop for? Beginners

Which area of industry will the workshop focus on? Highways

What will participants on the workshop learn?

- What Lean is
- How Lean can be used in the construction industry
- A practical experience of using some of the tools



Stephen Greenhalgh has 30 years' experience in civil and highways engineering, he has been a highways project manager with Highways England for over 10 years and has delivered several major road infrastructure improvement projects including major bypasses, bridge replacement projects and more recently the smart motorways around Leeds and Manchester. Prior to joining Highways England, Stephen worked in both the private and public sectors as designer and project manager on a variety civil engineering schemes.

After several years using Lean techniques within his own projects, Stephen joined Highways England's Lean Division earlier this year. He is now responsible for supporting the implementation of Lean within Highways England's supply chain, developing the use of collaborative planning and visual management to improve Customer Value, drive Continuous Improvement, encourage Collaboration and eliminate waste.



Victoria Shaw is an experienced Lean Practitioner & trainer having started her Lean journey working for the Ministry of Justice. Whilst working for the Ministry of Justice Victoria became a senior Lean practitioner and helped to set up a new business area which became an area of 'best practice' within the organisation. Victoria led on a number of Lean projects and this resulted in her team being awarded the Ministry of Justice team of the year award for delivering excellent customer service by their commitment to Continuous Improvement.

Victoria joined Highways England in 2014 and since then has worked across many teams within the organisation and supply chain. Victoria has worked to build Lean capability across a number of teams by sharing her knowledge and expertise and helping teams to embed Lean tools and techniques.

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The workshops

How to Embed Lean Thinking and Develop a Culture of Continuous Improvement

Gary Peters (Skanska)

How do you fully engage the workforce and embed the continuous improvement mindset at the grass roots of your company? What strategies can be adopted to ensure that Lean is embedded in to your working processes?

Leadership can be the make-or-break to Lean thinking and we will talk through various ways of bringing leaders on board. Introducing Lean in to a "brown field" organisation and achieving cultural mindset change is a tough challenge. We will discuss some activities and strategies that can help you succeed.

Who is the workshop for? Beginners

Which area of industry will the workshop focus on? Highways

What will participants on the workshop learn?

- What Lean is
- How Lean can be used in the construction industry
- A practical experience of using some of the tools



Gary Peters is a conscientious and adaptable professional in Kaizen, TPS, TPM and Lean Manufacturing, with significant industry knowledge in automotive, construction, food, electronics and high value capital equipment manufacture. He has extensive Lean Manufacturing, Kaizen and TPS system knowledge. A highly effective facilitator, trainer and communicator coupled with proven inter-personal and senior leadership experience. He has well-developed IT skills, negotiating abilities, behavioral coaching and project management skills.

Gary brings over 30 years' of practical engineering and production management experience to Skanska from the automotive, food and capital equipment manufacturing industries, coupled with quality and project management. He has a proven track record of working closely with individuals and teams at all levels to deliver tangible operational improvements related to Quality, cost and delivery.

Specific management roles have included Senior Business Improvement Manager, Group Lean Manager and Group Engineering Manager.

Gary's qualifications include MSc Operations Excellence, Change psychology, HND Eng, Lean expert and Six Sigma Green belts.

"I get huge satisfaction from working with people and seeing their personal growth, the realisation that they can achieve greater things by stretching their own personal goals, empowering and enabling them to deliver real tangible benefits in their businesses in teams and as individuals"

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The workshops

Visual Management & Control Rooms

Brian Swain & Mark Worrall (*Lean Construction International*)

This workshop will provide an overview of Visual Management and its benefits (people and business performance). This will then be followed by a two way interaction between myself and a willing volunteer from the group to provide a worked example.

Who is the workshop for?

Anyone who would like to improve their understanding of Visual Management

Which area of industry will the workshop focus on?

This will focus on Visual Management from a Rail Industry perspective.

What will participants on the workshop learn?

- An increased understanding of how Visual Management has been applied into Network Rail, and the benefits of its application
- They will also be able to evaluate the relevant application of Visual Management to their own organisation.



Mark Worrall is a seasoned Lean Deployment specialist and Director with huge experience in a variety of businesses, sectors and projects, with specific focus working widely across the Construction Industry for the past 6 years.

Mark has been Lead Lean Consultant on many projects, most recently, the major refurbishment of Birmingham New Street Station (2009 to date). During this time, Mark has helped reduce the Critical Path Major Demolition Programme from 12 to 6 months, the Passenger Dispersal Tunnel move improved from 3 weeks to 52 hours, and deployed Collaborative planning, Visual Management, Process Mapping and associated tools into Critical Path activities.



Brian Swain is an organisational development consultant with 23 years' experience working in Construction, Manufacturing and Service companies throughout the UK and Western Europe. He often typifies his approach as individual, organisational and corporate coaching.

Brian's work is focused on the Lean Transformation of companies through team building and personal development within the context of process management, continuous improvement and organisational design. He works at all levels in large and small organisations but with a primary focus on Value Stream Development in regard to a company's strategic and operational imperatives.

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The workshops



Delivering Design through Lean Thinking

Steve Clark (Turner & Townsend Suiko)

More often than not when Lean is discussed in the construction industry it is relating to the build phase. However, Lean Thinking Principles will deliver significant benefits in the Preconstruction and Design phase of a project by focussing on reducing the overall timeline.

This workshop will discuss some of the basic Lean Principles, give you examples of how it can be deployed and challenge you to think how you can adopt them in your own organisation.

The training contains information, practical exercises and group sharing discussions.

Who is the workshop for?

This workshop is for people with little Lean experience.

Which area of industry will the workshop focus on?

It will broadly cover the industry but focussing in on the Preconstruction and Design phase of the project.

What will participants on the workshop learn?

- A few basic Lean Principles
- Lessons on how Lean can be deployed
- Ideas on how delegates can adopt these Lean Principles in their own organisations



Steve Clark is a Director for Lean business consultancy Turner & Townsend Suiko. Specialising in construction and infrastructure, Steve has a lead role in developing the firm's foothold in the sector.

For over two decades, he has worked alongside organisations in the UK, USA and mainland Europe, helping them to achieve Operational Excellence. His consulting experience is complemented by many years in industry, leading organisations in the role of General/ Plant Manager, most recently in Portugal with ACCO Brands.

Steve's experience allows him to provide great empathy and understanding of major organisational change and business transformation programmes, in order to achieve, maintain and sustain Operational Excellence.

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The workshops



In pursuit of perfect process with BIM and Lean

Heikki Halttula (*Viasys VDC*)

Typical construction processes create material waste but especially process-related waste. The challenges for project delivery, where there are multiple stakeholders' in a project, include fragmentation and conflicts of interest. BIM can serve as an information centre for everyone involved in a project. Collaboration models improve the quality of design and BIM helps to improve both communication and the documentation of communication between stakeholders.

In this workshop, we will look at the construction process, and how we can make it Leaner through the application of BIM?

Who is the workshop for?

The workshop is meant for all the stakeholders in construction projects. Designers, construction engineers, project managers, maintenance managers and clients are all welcome.

Which area of industry will the workshop focus on?

The theory is valid for all construction projects, but the interactive part of the workshop will concentrate on infrastructure projects. BIM is not yet used as widely in civil engineering projects as it is in vertical construction. The change is just happening, and this workshop will serve people from organisations that plan to make the change.

What will participants on the workshop learn?

Participants will learn the benefits of using BIM in construction projects, understand the barriers they may need to overcome in order to get full benefit from BIM, and find out about process-related waste. We shall also explain the principles of how using BIM can help make the process Leaner.

In the interactive part of the workshop we will study the phases of horizontal construction projects. How can we make it Leaner with the support of BIM and what are the data and information needs of the various stakeholders during the project life cycle?



Heikki Halttula (M.Sc.) has over 30 years' experience in civil engineering projects, BIM, GIS and CAD software development projects, BIM implementation projects, Lean implementation, and Lean consultancy projects.

He has been President and CEO of BIM Software Development Company Viasys VDC Ltd (part of the Topcon Position Group) since 1999.

Heikki is an active member of RIL (Finnish Association of Civil Engineers), acted as the chairperson of the RIL BIM Committee for ten years and has been a member of the Building Smart Finland Infra committee advisory group.

In the past few years he has been very active in the Lean Construction Institute Finland community, and he is a member of the Finnish Transport and Communication Minister's advisory group.

Heikki is also a Ph.D. Student at the University of Oulu: his research focusing on the simultaneous use of BIM and Lean in construction projects.

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The workshops

Make Ready In Lookahead Planning

Professor Christine Pasquire and Paul Ebbs (Centre for Lean Projects, School of Architecture, Design and Built Environment, Nottingham Trent University)

To advance collaborative planning towards more reliable workflow we will introduce the latest practical collaborative practice developed by The Centre for Lean Projects at Nottingham Trent University in association with a client and a contracting company. The use of "Flow Walks" is proving to be effective in exposing risks and aiding prioritisation. This training session will introduce you to the concepts and equip you with the knowledge to experiment with the approach to expand your current collaborative planning practices. We will conduct a flow walk during the session.

Who is the workshop for?

Intended for anyone who has experience of collaborative planning and the Last Planner System from any type of organisation involved in the commissioning, design and construction of buildings and infrastructure.

Which area of industry will the workshop focus on?

The workshop will focus on planning construction work but the principles of flow walks have relevance for design and risk management and prioritising critical activities.

What will participants on the workshop learn?

The principle learning outcome from the workshop is an awareness of the importance of making ready the 8 flows to create reliable planning. The principal skill acquired is how to conduct flow walks as part of the make ready function in the Last Planner System.



Professor Christine Pasquire
Director
Centre for Lean Projects,
School of Architecture,
Design and Built Environment,
Nottingham Trent University

Full bio on next page



Paul Ebbs
Research Fellow
Centre for Lean Projects,
School of Architecture, Design
and Built Environment,
Nottingham Trent University

Full bio on next page



Peter Walthall
Operations Director
Harry Fairclough Construction

Full bio on next page

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The workshops

Make Ready In Lookahead Planning



Christine Pasquire has a BSc Quantity Surveying, a PhD in Construction Management and is a Fellow of the Royal Institution of Chartered Surveyors. One of the original four directors of LCI UK Ltd, Christine has been a long standing advocate, researcher and teacher of Lean Construction.

She is currently Professor of Lean Project Management in the Centre for Lean Projects at Nottingham Trent University, UK.

Christine's route to Lean began 20 years ago with research into offsite manufacturing particularly in the Building Services sector and has grown to encompass the practicalities of Lean implementation in both project and organisational transformation. Current research projects include applications of Takt and other forms of Lean construction planning; measurement of the impact of Lean on human performance; investigations into waste that is institutionalised within the systems and structures of design and construction and developing pathways for common understanding as a flow.

She has published over 110 peer reviewed papers and completed in excess of £2,000,000 of funded research work in the field of construction management.



Paul Ebbs has over 20 years' AEC sector experience at trade, management and consultancy level on a wide range of projects. He has a BSc in Construction Management from Dublin Institute of Technology, co-founded Lean Construction Ireland in 2014, and is an Editor of the Lean Construction Blog. For the past three years' he has been supporting international project teams on their Lean journeys in two roles. Firstly, as a Lean Consultant/Coach with Umstot Project and Facility Solutions LLC in the US, and secondly as Research Fellow in the Centre for Lean Projects at Nottingham Trent University, UK.

Currently he is embedded within a UK company and working with Christine Pasquire to design, develop and test a Lean Project Delivery System (LPDS). The "Flow Walk" has been developed for this LPDS as part of the make ready process in lookahead planning.



Peter Walthall (FCIOB MSc Project Management) is Operations Director with Harry Fairclough Construction Ltd, based in Warrington in the North West of England. He has held this position for the last 9 years.

His career started as an articled pupil with John Laing Construction in the Field Engineering Department. His career progressed into Site and Project Management, and then into a Director role which he held with two major national contractors.

Peter's key area of interest is in developing collaborative working teams to deliver projects as efficiently as possible to ensure his customers' requirements are achieved.

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The workshops

Developing & Deploying Lean Leaders Throughout the Business

David Anderson and Stuart Willis (BAM Nuttall)

During the workshop, we'll be asking questions that relate to Lean leadership habits and practices and, what we can do as leaders to help our organisations and customers to achieve sustained business improvement.

Who is the workshop for? People with a good understanding of Lean

Which area of industry will the workshop focus on? Civil engineering

What will participants on the workshop learn?

- What obstacles can be encountered when deploying Lean
- The importance of collaborative thinking
- What the role of a Lean leader is



David Anderson is a qualified civil engineer and a fellow of the Chartered Quality Institute with over 25 years' experience in construction. As Head of Business Process and Quality at BAM Nuttall he's been instrumental in the development and deployment of their Lean strategy. He delivers the Lean leadership training programme to managers throughout the business. He is currently co-chair for the Lean construction workshops for ENCORD (European Network of Construction Companies for Research and Development). He's a thought leader in transferring Lean thinking from manufacturing into construction.



Stuart Willis is a Lean implementation professional with over 10 years' experience in Quality management and continuous improvement. He's a member of BAM Nuttall's Lean leadership team and is a corporate advisor for their Lean training programme. He delivers workshops on Lean to team leaders and construction professionals. He specialises in Lean communication techniques.

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Booking information

Spaces at the LCI-UK Lean Construction Training Day are strictly limited, so

BOOK NOW

to guarantee your place.

Tickets cost **£185.00** plus VAT per person, though LCI-UK, ICE and CECA members are eligible for a 10% discount, taking the cost down to **£166.50** plus VAT.*

[Click here](#) to visit the Training Day registration site, where you can find out more, select and book your workshops, and pay by credit card.

You can also book for the **LCI-UK Summit 2017** and the **Pre-Summit Dinner** at the same time.

* If you are an LCI-UK, ICE or CECA member please contact us for your discount code.

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The LCI-UK Summit 2017

Lean Construction and the Long Term

The benefits of commitment and continuity

“Lean Construction and the Long Term”, the LCI-UK Summit 2017, will be held at the Matthew Boulton College of BMet on Thursday 26th October.

Dealing directly with the importance and benefits of sustained commitment to Lean and continuity of approach, as well as sharing genuine experience and advice on how to deal with the inevitable hiccups along the way, the LCI-UK Summit 2017 will feature a full programme of speakers and interactive small group sessions, and facilitate opportunities for both structured & informal networking throughout the day.

This year's keynote speakers will be:

Digby Christian Director of Integrated Lean Project Delivery, Sutter Health

Anna Evans Construction Programme Director, PETP, Ministry of Justice

& **Jaimie Johnson** Head of Global Systems at Bryden Wood

James Elford Delivery Director, London Bridge Station, Costain Ltd

Tickets for the Summit cost just £295 plus VAT, so if you have a stake in the future of the UK construction industry you must be there.

[Click here](#) to book your place NOW!

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Summit

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The LCI-UK Summit 2017

Pre-Summit Dinner

The LCI-UK Pre-Summit Dinner 2017 will take place at the Hotel LaTour, Birmingham on Wednesday 25th October.

Dinner
7.30pm

Pre-dinner
drinks
7pm

The pre-Summit dinner has always been an important part of the LCI-UK Summit, and a great opportunity to network with some of the major players and most innovative thinkers from the UK construction industry.

As in recent years, the 2017 dinner will be held at the Hotel LaTour, Albert Street, Birmingham B5 5JE, directly opposite the Matthew Boulton College of BMet, where the Summit is to be held, and the evening will start with a drinks reception at 7pm before dinner at 7.30pm.

The dinner, including wine, costs just £55 plus VAT (£66) per person, or £500 plus VAT (£600) for a table of ten.

In recent years the pre-Summit dinner has been greatly over-subscribed, so to make sure of your place...

... click here **NOW!**

The menu

- Starter** Cauliflower veloute with truffle oil *or*
Smoked Salmon, classically dressed with capers and gherkins
- Main** Braised Blade of beef, fondant potato and port wine jus *or*
Wild mushroom and brie tartlet, sweet red onions, basil oil
- Dessert** Bakewell tart with clotted cream
- Followed by** Coffee & Mints
- Wines** The Gourmet Shiraz, South Australia &
Blackstone Winemaker's Select Chardonnay, Monterey County, USA

Please note:

During the booking process you will be given the opportunity to state any specific dietary requirements

Book now!

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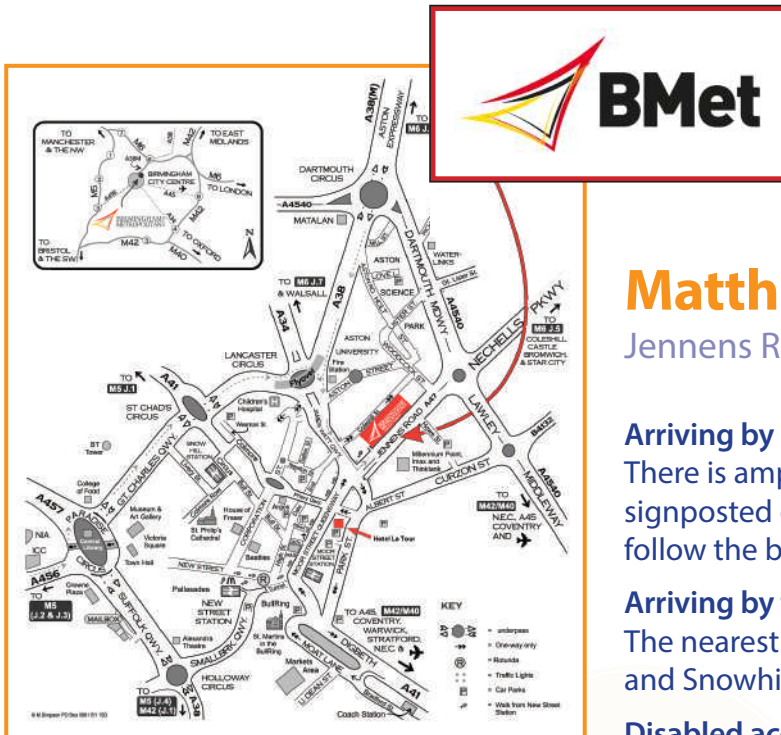


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Getting there



Matthew Boulton College

Jennens Road, Birmingham B4 7PS

Arriving by car

There is ample parking nearby at Millennium Point; signposted on all main routes into the city (simply follow the brown tourist signs).

Arriving by train

The nearest stations are Moor Street, New Street and Snowhill.

Disabled access

All areas of the college are accessible by wheelchair, and there are disabled toilet facilities on each level of the building.



The **Lean Construction Institute UK (LCI-UK)** is a charitable membership organisation supporting research into, and the dissemination of, Lean construction principles and best practice with a view to improving public sector construction.

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