

# INVITATION THE LEAN WORKSHOP

Find out how a lean organisation can continually reduce waste in their manufacturing and logistics processes. See at first hand examples of process improvement being adopted and Industry 4.0 based technologies at work. Learn how all of this can lead to higher quality and efficiency, at these free of charge practical workshops with live demonstrations.

## INDUSTRY 4.0

Next event is hosted at:

The MTC Liverpool,  
Liverpool Science Park,  
Mount Pleasant,  
Great Orford St,  
Liverpool ,  
L3 5TF



# LEAN WORKSHOP GROUP

The Lean Workshop Group invites you to a free seminar to experience the application of Lean Principles via an interactive workshop utilising our unique Lean Manufacturing and Training installations and how these align with the very latest Industry 4.0 thinking.

A consortium of eight of the most innovative suppliers to the manufacturing sector make up The Lean Workshop Group: Bosch Rexroth, Spitfire, SICK UK, Orgatex, Bosch Power Tools, Visual Management Technology, WERMA Signaltechnik and K. Hartwall.



**Bosch Rexroth** addresses the lean principles of Material Supply, Material Transfer and Ergonomic Workstations through our Manual Production Systems and Assembly Technologies. We then provide cutting edge, cost efficient Industry 4.0 solutions for collecting and visualising live production data through customer tailored Tightening Solutions, Operator Guidance System and ActiveCockpit.



**Spitfire** believe that People Transform Performance. We work globally helping clients unlock potential to accelerate growth, build resilience and agility to thrive in a rapidly changing world. Together we achieve exceptional results via our unique combination of **Strategy** Development, **Performance** Improvement, Staff Training & **Coaching**.



**SICK** factory automation and identification sensors support the Lean manufacturing process with correct part selection using pick to light sensors, product and work identification by barcode readers and quality checking using vision sensors.



**WERMA Signaltechnik** is a leading manufacturer of andon light systems, beacons and sounders. Wireless andon systems are also incorporated into intelligent solutions for machine and workstation monitoring and process optimisation in manufacturing and logistics operations.



Experts in creating the most visually efficient workplaces **Visual Management Technology** combine Lean industry knowledge with creative thinking to provide innovative, functional and professional products that allow our clients to bring out the best in their people.



**Bosch production tools** address the final principle within Lean manufacturing. Our cordless and electric tools are ever present in modern day manufacturing due to our high quality, reliability and low energy focus.



The **K. Hartwall** Lean Dolly & Adaptor Pallet unit improves work flow, reduces handling costs, enables stock level reduction, improves ergonomics and optimises vehicle fill.



**AirLean Systems Orgatex** provides innovative and effective Continuous Improvement Tools and Systems to manufacturing and logistics organisations applying Lean principles and processes.





**The Group has created a series of demonstration installations for the seminars which will explain how Lean Manufacturing & Training is implemented, and how they are compliant with Industry 4.0 principals. The event will demonstrate how it can help companies to improve their efficiency, competitive position and profitability.**

The full size manufacturing and logistics training equipment embody the latest developments in Lean Manufacturing and Industry 4.0 technology using the latest equipment from Lean Workshop Group member companies. These products are shown in a wide range of applications to demonstrate how effectively Lean Manufacturing handles present-day requirements in manufacturing and logistics operations. The event includes practical and interactive sessions during which the delegates will use the equipment to put into practice Lean and Industry 4.0 techniques. There is also ample opportunity for delegates to discuss their own specific problems and requirements with the group partners.

Topics typically covered include: Visual Management, 5S (Workplace Organisation), Standard Operation Development, Work Content and Workplace Design, Logistics Operations, KANBAN Systems, ANDON, Intelligent Sensor Technology, Fundamental Skills Training, Cordless Power tools, Autonomous Mobile Robot, Industry 4.0 Applications.

**Free of charge** and open to all interested parties, more information about the programme can be found on the Lean Workshop Group website at [www.leanworkshopgroup.com](http://www.leanworkshopgroup.com)

## Workshop Agenda

- Welcome and introduction to the Lean Workshop Group, Lean Manufacturing and Industry 4.0.
- We then move to the live demonstration area where you will see the theory put into practice with 3 key themed installations, as follows:

**Manufacturing Cell**  
**Logistics Operations Area**  
**Visual Training Applications**

- We will summarise the benefits of Lean and Industry 4.0 technologies, followed by a question and answer session. You will then have time for further discussion with members of the Group.

**The workshop starts at 10.00am and ends at 15.30pm.**



**BOOK**  
your place  
now



# REGISTER



Although these seminars are free, we ask you to pre-book your place as numbers are limited - to ensure that we can offer you the best experience on the day.

**Ways to Book**

Using this form, email back to: [info@leanworkshopgroup.com](mailto:info@leanworkshopgroup.com)  
or phone on: 01480 223242  
or online at: [www.leanworkshopgroup.com](http://www.leanworkshopgroup.com)

**Please book a place for me on:**

- Tuesday 17th May 2022
- Wednesday 18th May 2022

(Starts 10.00am and ends 15.30pm)

**Workshop venue:**  
The MTC Liverpool,  
Liverpool Science Park,  
Mount Pleasant,  
Great Orford St,  
Liverpool ,  
L3 5TF

Name: \_\_\_\_\_  
Job Title: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
Comments: \_\_\_\_\_  
2nd attendee: \_\_\_\_\_

Please tell us which company invited you to this event: \_\_\_\_\_

We intend this event to be as Covid safe as possible for our attendees and members. We ask attendees to consider the safety of others and maintain a safe distance. Masks and sanitiser, although not compulsory, will be available on the day for your convenience. There may be specific requirements of the Event Venue that we will inform you of on registration.



[www.boschrexroth.co.uk](http://www.boschrexroth.co.uk)



[www.sick.co.uk](http://www.sick.co.uk)



[www.spitfireconsultancy.com](http://www.spitfireconsultancy.com)



[www.v-m-t.co.uk/](http://www.v-m-t.co.uk/)



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