

## Scottish Engineering Lean Six Sigma Club Events

Date	Event Title	Speaker(s)	Synopsis
09 April 2008	A personal view of 'Lean In Action'	Hugh Hayes, Chairman, Motherwell Bridge Ltd.	<b>Hugh Hayes has been Chairman of Motherwell Bridge since early 2003, when he was appointed to restructure the group following near total collapse. In the intervening period the company has gone from strength to strength and is currently extremely profitable and completely debt free. Today he provides a light hearted view of the turnaround, and the benefits achieved by the adoption of 'lean thinking' in the business units.</b>
07 Feb 2008	Visit to Spirit Europe	Dave Stewart, Scott McLarty, Steve Morrison	The Spirit Europe Business provides customers in the commercial aerospace market with airframe structures. We work closely with our customers and are involved in the development of innovative production methods and procedures which are achieved through our Global Supply Operations. Our relationships with suppliers based across Europe, the USA, the Far East and South Africa has been developed to help deliver cost and efficiency savings back to our customers. One of our key strengths lies in the development of Lean engineering and manufacturing procedures in our UK sites and then exporting that expertise through our Global Supply Chain. This minimises production costs while still maintaining our in-house levels of quality and precision.
13 Nov 2007	Angus College. Arbroath	Alan Harrison, Tom Wallace, Raymond Lowe	Launch of Scottish Engineering Lean Club in North East of Scotland - Introduction to Lean, defining purpose and vision - Lean simulation exercise - Case studies - presentation by Scottish Manufacturing Advisory Service (SMAS)
12 Jun 2007	RBS Lean Journey	Peter Norris & Chris Monaghan	RBS Manufacturing is a Multi national / Multi Brand Organisation with a reputation for high employee engagement and delivering first class customer experience. In line with many other Financial Services organisations there is now a drive to deliver efficiency and effectiveness improvements in high volume, transactional processes through the use of Six Sigma and Lean techniques. The presentation will describe the successes and challenges of the journey so far.
20 Feb 2007	Transfor-ming Culture & Driving Perfor-mance via Functional Excellence	David McClelland, BioReliance	BioReliance is the world's largest specialist provider of contract biologics safety testing. In general, the Biopharma sector has been slow to implement continuous improvement techniques, and David will explain how he has successfully translated his experiences from Engineering into this growth sector. He will discuss the BioReliance approach to Lean Six Sigma, and expand on the relative strengths and weaknesses of Lean vs. Six Sigma. Finally, David will present some real-life case studies to illustrate the power (and challenges) of introducing Lean thinking into a scientific environment.
08 Nov 2006	SMAS Manufa-cturing	Tom Wallace, Steven Borris	SMAS will present Case Studies to highlight how Lean tools and techniques can make a significant improvement on bottom line performance and productivity.

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	Improve-ments		Case studies will include Cast-tek and a selection of Manufacturing reviews from Scottish Manufacturing companies.
14 June 2006	Making People Profitable	Derek Moncur	<p>The level of success, failure, of all organisations, companies, strategies, projects is determined by the people who own, lead, manage or are employed within the above.</p> <p>Be it at the strategic, tactical or operational level, it is the people who will deliver or not as the case may be.</p> <p>Successful People = Successful Company. Failing People = Failing Company</p> <p>So how do we align our people strategy to achieve success? How can we make it happen?</p> <p>All people who are interested or will be attending will be given the opportunity to complete, on-line, their own Personal Behavioural Profile. Please send names and e-mail addresses F.A.O. derekm@thomas.co.uk The report generated required for the presentation and personal feedback if required.</p>
08 March 2006 1:30	Babcock Naval Services	Doctor Neil Grant And Iain MacAulay	<p>Babcock Naval Services is a company which manages HMNB Clyde in partnership with the MoD. Partnering is an open, co-operative and interactive relationship between the MoD and industry aimed at bettering time, cost and performance parameters whilst identifying and implementing gain share opportunities.</p> <p>The Babcock Naval Service approach to achieving success is a combination of a four phase/10 year approach (which we will explain) and utilisation of tools and techniques from six sigma/Lean. This enables us to select only those projects that fit our framework and to utilize only the basic techniques from six sigma and Lean or anything else that is appropriate at this stage.</p> <p>We have inherited a culture that is not normally focused on making changes, so one of our basic tasks is to install an appreciation of measuring and we have adopted an industry standard balanced scorecard linked to our corporate objectives.</p>
15 Nov 2005 1:30	Six Sigma in Transactional Areas such as HR & Finance	Delia Matrecano, Michelle Briggs, Rolls-Royce	<p>There are many examples of the application of six sigma tools and techniques in manufacturing but very few covering transactional areas – as we found out when we started deploying lean six sigma in these areas.</p> <p>We will provide a top-level overview of the Lean Six Sigma tools and techniques we have used to help us improve some of our processes within both the HR and Finance functions.</p> <p>We will also share with you the issues we experienced along the journey and the key learnings from a lean six sigma perspective.</p> <p>We are hoping that some of you attending the session will be willing to share your own transactional experiences with us during the Q&amp;A section.</p>
05 October 2005, 1:30	Kaizen Blitz Week	Ismay McPherson, Terasaki (Europe) Ltd	<p>Based in Clydebank Industrial Estate, Terasaki (Europe) Ltd are a world player in the manufacturing and distribution of Moulded Case and Air Circuit Breakers for engineering site contractors, used in every industrial and commercial sector that depends upon a reliable power supply such as hospitals, oilrigs and large ships.</p> <p>The introduction of a new product with aggressive sales targets inspired us to hold a Kaizen Blitz week, we recognised that to achieve the results</p>

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			<p>we needed to exceed our customers expectations we had to change the way we were thinking and working.</p> <p>Ross International worked with us to create an environment that ensured successful implementation of, and follow-through, after our Kaizen Blitz week.</p> <p>The objectives met by the Kaizen Blitz Team:</p> <ul style="list-style-type: none"> <li>· Throughput capability of 90 units per week achieved with the same number of people</li> <li>· Lead-time was reduced (from receipt of customer order to dispatch) by 60% on a major product range while at the same time more than doubling the throughput capability in 30% less space.</li> <li>· Illegal lifting was eliminated</li> <li>· 5S process introduced</li> <li>· Continental shifts introduced</li> </ul>
10 May 2005 1:30	“Factory Design & Layout (FDL) At Rolls Royce Marine”	Jim Duthie, Rolls-Royce	<p>Rolls Royce Marine in Dalgety Bay manufactures and services marine motion control equipment.</p> <p>Rolls Royce has developed a series of Best Practice modules known as the Rolls Royce Production System. Jim will be sharing his experiences of deploying the Factory Design &amp; Layout module.</p> <p>The presentation will describe the successes and challenges in implementing Lean and Six Sigma principles in a low volume manufacturing environment.</p>
08 March 2005 1:30	Implementing Lean Manufacturing	Iain Kyle, Gates Power Transmission	<p>Gates Power Transmission manufactures synchronous timing belts for both the Automotive and Industrial markets.</p> <p>Gates Power Transmission Dumfries is currently implementing a Lean Manufacturing Initiative called the Gates Production System (based on the Toyota Production System model). The Gates Production System has 6 core subject areas, which are 5S, Standardised Work, Total Productive Maintenance, Material Flow, Problem Solving and Quick Changeover (SMED). Iain has shared experiences in implementing these 6 subject areas and how the activities impact on the bottom line of the business.</p>
17 Nov 2004 1:30	High Tech, Low Cost, Best Total Customer Experience (TCE)	Tony Boyle and Tommy Gillan, HP	<p>Simply stated our ambition is to become the number 1 technology company in the world. Our strategy is quite straightforward: High Tech: Innovative leading edge product and services where we can add value; Low Cost: At a price our customers can afford; Best TCE: With an experience that sets us apart</p> <p>HP Sigma+ is the methodology that we use to drive continuous improvement across all three components of our strategy.</p> <p>Two of our Blackbelts completed their training in January, concluded their projects in June/July, delivered the promised business benefit, presented to the Certification Panel and achieved Blackbelt Certification. Both will share their certification presentations - illustrating their approach, the challenges they faced, the tools they used, and the significant impact of their project(s) – real life, real time!</p>

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08 Sep 2004 1:30	Swimming against the tide – Lean experiences within an SME	Kenny Mitchell, J Thomson (Colour Printers) Ltd	Kenny Mitchell is Production Manager at J Thomson Colour Printers and leader of the company's Lean programme. He will share his experiences of operating lean within an SME. In recent years, fiercely competitive market conditions have all but brought the printing industry in Scotland to its knees. Against the tide of current trends, J. Thomson Colour Printers has managed to remain not only profitable but has made investments in plant and technology that has left the embattled Scottish print sector reeling.
12 May 2004 1:30pm	How does <i>the work work?</i> – Applying Lean in a Service Industry	Allan Mees – Standard Life Assurance Company, Edinburgh	The story of how Standard Life are changing the way they think about “how the work works”. While Lean has a long history in manufacturing it is only in the last few years that service organisations have learned that a Lean approach can be applied to transactional processes. Creating a customer-focused mindset throughout the organisation has been the driving force behind Standard Life's Total Customer Satisfaction programme since 1993. At this session it is presented how Standard Life has been using Lean to understand and improve the customer experience. The story includes case studies from customer facing, Human Resources and IT departments.
11 Feb 2004 1:30pm	Raytheon 5 Years into the Six Sigma Journey	Derek Richardson, Raytheon	An outline of the transformation Raytheon has realised in the last 5 years through the execution of organisational change. Presentation will cover Benefits, Pitfalls, Lessons learned. We will talk about the Parallel Strategies Raytheon Deployed without which Six Sigma would not have been as successful.
05 Nov 2003 1:30pm	Sigma @ Sun	Jim Keatings, Sun Microsystems	The presentation will explain why Sun Microsystems embraced Sigma. It will provide company wide, and Linlithgow site perspectives. Captured benefits will be outlined, and experiences shared. We are relatively new adopters, the good and bad are still fresh in our mind..
10 Dec 2002 1:30pm	Better, Faster, Cheaper – at “Internet Speed	Ray Dodd, HP	In a volatile environment characterised by rapid technological innovation, increasing commoditisation and ever decreasing margins - what does an organisation need to do to enable it to compete and survive in an era of unprecedented rationalisation and consolidation ? This presentation examines an innovative and systematic approach to Continuous Improvement, including Six Sigma, that has enabled HP to become, better, faster and cheaper - at “Internet Speed”. The approach is illustrated by a very pragmatic example - the need to reduce European procurement costs by \$120M, FAST !

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10 Oct 2002 1:30pm	Experiences in Six Sigma Implementation in NCR	Gardiner Arthur, NCR	<p>Improvement, has always been an integral part of the business in NCR Dundee, as such several improvement initiatives have been implemented over the last 15 years, Six Sigma has had the biggest impact, the widest implementation and also has the longest lifespan.</p> <p>The presentation will explain how NCR was introduced to Six Sigma, how we have developed and deployed the methodology over the last four years, from four pilot projects in January 1999, supported by an external consultancy firm to the present day where we are self-sufficient, with 15 Full-Time Black Belts and 4 Full-Time Master Black Belts on the Dundee campus alone.</p> <p>The presentation will include an insight into some of the mistakes that were made and the lessons we have learnt.</p>
29 May 2002 1:30pm	Six Sigma in VATECH Peebles	A. Rogers and S. Nanda, VATECH Peebles	<p>For this presentation the speakers will explain, without the aid of the bell curve etc. why their organisation chose to embrace the concept of Six Sigma and how they are developing their approach, through action.</p>
27 Mar 2002 1:30pm	Six Sigma in a Transactional Environment at Scottish Power	Sheila Duncan & Neil Clitheroe, ScottishPower	<p>ScottishPower embarked on the Six Sigma journey within the UK customer facing business in May 2001.</p> <p>To date, we have fully trained 40 Black Belts and over 200 Yellow Belts in the Six Sigma methodology while experiencing significant benefits of over 300% returns.</p> <p>Completing the initial stages of this journey requiring overcoming many different challenges and it is these challenges that will be the focus on this presentation.</p> <p>These include:</p> <ul style="list-style-type: none"> <li>- the role of leadership in the 6 Sigma deployment</li> <li>- the identification of projects to meet critical business needs</li> <li>- the rigorous tracking and delivery of benefits</li> <li>- affecting behaviours through change management / communications</li> </ul>
30 Jan 2002 1:30pm	Which one – Six Sigma or Lean ?	Alan Harrison, Weir Pumps	<p>Lean and Six Sigma are two of the most popular buzz-words in business today. Which approach is best? How to get more than the sum of each and avoid friction?</p> <ul style="list-style-type: none"> <li>• Considerations of introducing Lean manufacturing techniques; Lean vs. Six Sigma: key characteristics of the content, implementation management, goals and benefits</li> <li>• Ensuring a positive combined response - Lean Six Sigma experiences</li> <li>• What should my company do?</li> <li>• Discussion / sharing experiences, opinions and thoughts on Lean and Six Sigma integration</li> <li>• Workshop Lean exercise</li> </ul>

28 Nov 2001 1:30pm	Six Sigma in Practice	Colin Barr, Motorola	<p>The presentation will follow the DMAIC Six Sigma model of change and in so doing will reveal something of the practice of deploying Six Sigma within an organisation.</p> <p>Define - What do you want from your Six Sigma Programme            Measure - The wild claims of success            Analyse - Don't just copy            Improve - People make it happen, people stop it happening            Control - Theory versus reality</p>
24 Oct 2001 1:30pm	Inauguration of Six Sigma Club	Alan Harrison, Raymond Lowe	<p>Inauguration meeting:</p> <ul style="list-style-type: none"> <li>• Introduction - all Club members</li> <li>• Defining vision, objectives, scope, schedule of events</li> <li>• Defining and prioritising topics of interest</li> <li>• Workshop: Risk analysis to Six Sigma implementation</li> </ul>
08 May 2001	Deployment of Six Sigma Methodology – A Case Study	Alan Harrison, Weir Pumps	<p>Alan Harrison is currently employed by Weir Pumps in Glasgow as General Manager – Business Improvement, leading development and implementation of Six Sigma.</p> <p>He will present key elements and success factors of Six Sigma and how Weir Pumps have approached Six Sigma deployment in their low volume, designed and built to order, high capital business environment.</p>