

SIX SIGMA Training

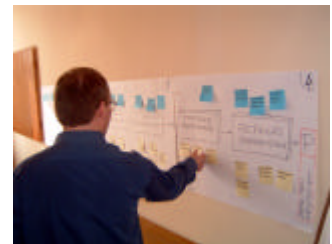


The picture on the left shows participants in the DHI Yellow/Green/Brown/Black Belt series of 5 day courses conducted in 2003 at Octav College Estergom Hungary. This is the first of an ongoing Central European programme designed, developed and conducted by David Hutchins at the college. Both he and DHI Business Manager Dr Norman Towe were appointed Professors of Quality in 2002.

These courses are also conducted in the UK as both public and 'in house' programmes. Each of the 5 day modules follows approximately one month after the former. During this period participants are expected to work on a related project in their organisation.

Yellow Belt Course – 5 days

This course includes all the basic tools of Root Cause Analysis which will enable participants to commence work on projects related to the Chronic Problems in their organisations. Sometimes just this level of training can result in improvements worth many hundreds of thousands of Pounds. On one occasion we witnessed a saving of £3M during the training course which was declared an exceptional saving on the Balance Sheet in the annual accounts. The course follows the DMAIC process.



Flow Charting on the Yellow Belt Course



Green Belt Course – 5 days

This course which follows the Yellow Belt course, together with the presentation of a satisfactory project, enable the participant to achieve the formal qualification of Six Sigma Green belt. Participants receive in depth exposure to statistical diagnostic tools for problem solving. It includes – theory of distributions, binomial, poisson and normal distributions, control charts, scatter diagrams, cusum, Guage R&R and Improving the Reliability of the Human Inspector.

Brown Belt Course – 5 days

This course is preceded by the Yellow and Green Belt Programmes. At the core of the course are the concepts of Design for Six Sigma, Concept Engineering, Quality Planning and Quality Function Deployment. QFD. Also included are FMEA for Design and Process and Weibull Analysis for use in Reliability Analysis and Planned/Preventive Maintenance. The course structure follows the DMADV process.



Putting the finishing touches on an Affinity Diagram on a Brown Belt course

Black Belt Course – 5 days



Catapult for demonstration of Design of Experiments



Cycle Time reduction Role Play experiments to show the power of Kanban and Theory of Constraints.

The course that brings together all the work of the Yellow/Green and Brown Belt courses into a cohesive Company Wide programme. Participants in this course will have completed a project that began on the Yellow Belt Course and continued through the programme. More complex Statistical concepts are introduced enabling participants to use techniques such as Design of Experiments and ANOVA. Also included are Hoshin Kanri and Policy Deployment.