

DFSS Black Belt Course
Axiomatic TRIZ Design for Six Sigma (IDOV Roadmap)

Seminar title	009 a Axiomatic TRIZ Design for Six Sigma (ADFSS) Black Belt – IDOV Roadmap
Intended participants	System and/or product and/or service and/or process designers, developers and managers, quality managers, Six Sigma Green Belts, Six Sigma DMAIC Black Belts <u>Applications:</u> innovation and design centres, manufacturing, service providers, financial organisations, health- and insurance organisations, process applications (chemical etc.),
Goals	Provide designers and developers, project leaders and managers with solid background, systematic methodology and advanced tools enabling them to <ul style="list-style-type: none"> • Reduce (re-) design lifecycle and time to market • Reduce design failure rate and number of re-designs • Reduce design and development costs • Reduce consequent COPD (costs of poor design) and Cost of Total Ownership • Increase customer satisfaction • Develop innovative and breakthrough solutions <p>Six Sigma Black Belts will be able to actively lead and manage their own innovative design and development programmes/projects, involve and coach their project team members and Green Belts, thereby boosting up to several orders the financial top- and bottom line success of the entire Six Sigma program.</p>
Content	The course duration (20 days) <ul style="list-style-type: none"> • A comprehensive education of the Six Sigma methodology and alternative roadmaps • Roles of ADFSS Black Belts and other team members • How to properly define, scope and work on ADFSS Black Belt vs Green Belt projects • How to apply principles and tools (Acclaro software) of Axiomatic Design and Axiomatic Complexity • How to slice and transform complex problem statement from initial business pain, to the technical problem, and further via »physical« problem to a statistical problem. • How to apply analytical, system modeling, advanced statistical analysis and reliability /survival analysis tools to innovative and error-prone design and development • How to apply in-depth innovation tools (TRIZ) for innovative problem formulation and –solving, breakthrough design projects, for root cause analysis • How to use TRIZ tools IWB (Innovation Workbench) and IFA (Ideation Failure Analysis) • How to present projects to peers and managers, transition and close-out existing projects • How to use advanced tools of MINITAB 15 to analyze Six Sigma projects • How to control sustainable results and business benefits

SixSigma-24 Programme 2007

Previous knowledge required	Fluent business english, experience in project and team-management and coaching, especially in design and development, strong leadership and communication skills.
Duration	20 days (160 hours) in 5-6 sessions
Location	tbd
Working Language	English or German or Russian (on request), training materials- in English (could be translated on special request)
Instructor	Prof. Dr. Elena Averboukh, Fellow Six Sigma Master Black Belt
Software Tools	Minitab 15.0, Acclaro DFSS, Innovation Workbench (IWB), Ideation Failure Analysis (IFA) – can be purchased with special discounts. Evaluation copies for Minitab and Acclaro DFSS will be provided free of charge for 1 month use. IWB and IFA leasing licenses for 3 months.
Course Fee	€ 9990,- (+VAT) per person per course. The fee includes training materials, free software licenses Minitab and Acclaro DFSS for 1 month, leasing licenses for IWB and IFA, travel and accomodation of participants. The fee does not include software licenses for Minitab and Acclaro DFSS beyond 1 month period, leasing licenses for IWB and IFA beyond 3 months, travel and accomodation of participants. Special Discounts (10%) for more than 3 participants from the same company
Project Coaching Fee	2,5 days coaching set (5 x 0,5 days after each session) – on/off-line or directly after the class – 4995,- Euro per set (+VAT) excl. overheads (internet, telephone, travel for instructor if any)
Max number of participants	10-15