

# CERTIFIED - 5 Days Six Sigma Green Belt

09.00 - 12.00

12.00 - 13.00

13.00 - 17.00

Day 1	<ul style="list-style-type: none"> <li>• <b>Introduction</b> and expectations of the participants</li> <li>• Introduction to the Six Sigma concept</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Fundamental terms in the Six Sigma context</b></li> <li>• Description of the Six Sigma levels: Leadership, Project Management, Toolbox, Statistics</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Process D-M-A-I-C</b></li> <li>• <b>Roles</b> in Six Sigma projects</li> <li>• Understanding the project management dimensions of Six Sigma, link to business and operational excellence functions.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>D-M-A-I-C 1</b></li> <li>• <b>Define phase</b> in detail: Project Charter, VOC, Problem &amp; Target Definition, Project Management, cost-benefit analysis</li> <li>• <b>Q&amp;A Session</b> – Summary &amp; clarification of questions</li> </ul>
Day 2	<ul style="list-style-type: none"> <li>• <b>Recap</b> of the first day and clarification of essential basics</li> </ul>	<ul style="list-style-type: none"> <li>• <b>D-M-A-I-C 2</b></li> <li>• <b>Measure phase in detail:</b> Swim-Lane, Value Stream Mapping, Makigami - What does process management look like in companies? What are levels?</li> </ul>	<ul style="list-style-type: none"> <li>• <b>D-M-A-I-C 3</b></li> <li>• <b>Analyze phase in detail:</b> Analyze cause-and-effect relationships Risk analysis FMEA, Ishikawa, SWOT</li> </ul>	<ul style="list-style-type: none"> <li>• <b>D-M-A-I-C 3</b></li> <li>• <b>Analyze phase in detail:</b> Risk analysis, FMEA, Ishikawa, 5x Why FMEA as risk analysis tool, SWOT</li> <li>• <b>Q&amp;A Session</b> – Summary &amp; clarification of questions</li> </ul>
Day 3	<ul style="list-style-type: none"> <li>• <b>Recap</b> of the Define and Measure phase and clarification of essential basics</li> </ul>	<ul style="list-style-type: none"> <li>• <b>D-M-A-I-C 4</b></li> <li>• <b>Improve phase in detail:</b> Design implementation and training plan, implement and follow up 5S in companies</li> </ul>	<ul style="list-style-type: none"> <li>• <b>D-M-A-I-C 5</b></li> <li>• <b>Control phase in detail:</b> Graphical data analysis (time series plots, Pareto, histogram, scatter plot, spaghetti diagram) Process control charts and standard procedures, go-live support</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Introduction to basic statistical terms:</b> Probability calculation, addition and multiplication theorem</li> <li>• <b>Q&amp;A Session</b> – Summary &amp; clarification of questions</li> </ul>
Day 4	<ul style="list-style-type: none"> <li>• <b>Recap</b> of the DMAIC cycle</li> </ul>	<ul style="list-style-type: none"> <li>• <b>SSCD: ProcessSIM®</b></li> <li>• <b>Part 1:</b> Business game as a project replacement. Real business case. 1 month project is simulated in 1 hour real time.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>SSCD: ProcessSIM®</b></li> <li>• <b>Part 2:</b> Business game as a project replacement. Real business case. 1 month project is simulated in 1 hour real time.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Discussion</b> of the results and discussion of the consultant's solution.</li> <li>• <b>Q&amp;A Session</b> – Summary &amp; clarification of questions</li> </ul>
Day 5	<ul style="list-style-type: none"> <li>• <b>Recap</b> of DMAIC with procedures and tools and of the ProcessSIM® business game</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Fundamentals of Statistics</b></li> <li>• Statistical process capability, interpretation of process capability indices</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Fundamentals of Statistics</b></li> <li>• Discrete and continuous distributions (Poisson &amp; hypergeometric, binomial and normal distribution, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>DfSS:</b> Basic terms in the Design for Six Sigma context</li> <li>• <b>Exam</b></li> <li>• <b>2 hours, 20 questions</b></li> <li>• <b>Feedback &amp; Completion</b></li> </ul>