

Company Information

KareLean is a consultant company specialized to strategic and operative planning and improvement of enterprise value chains. KareLean provides management consulting services in the following areas:



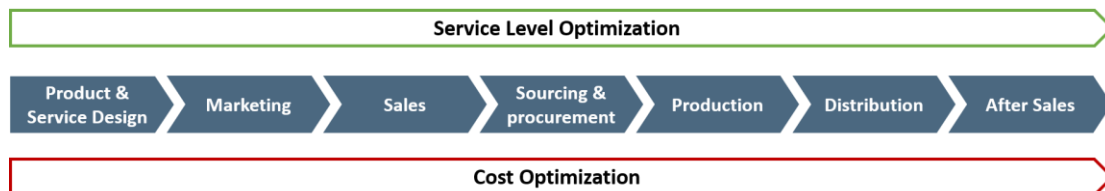
I have over 10 years of management consulting experience in specific in the field of supply chain management. I have worked as a Black Belt certified Lean Six Sigma consultant as well as a program and project manager and supply chain advisor in large transformational programs across various industries.

Before my career as a consultant, I worked as a postgraduate researcher in Helsinki University of Technology and accomplished my doctoral dissertation in the field of Systems and Operations Research.

Let's discuss on **how I can help your company** to take advantage of the **business opportunities** that emerge from the **digitalization** and how to best tackle your timely **business challenges**!

1. Data Driven Value Chain Performance Assessments and Advisory

I perform data driven value chain performance assessments that may span your extended value chain from suppliers to end customers or focus on a specific part of your value chain like raw materials, semi-finished goods, finished goods or spare parts inventories.

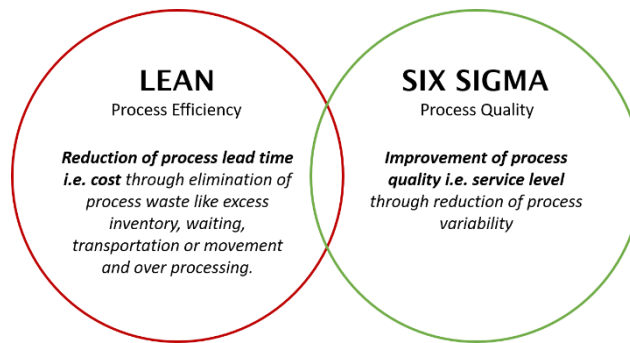


Based on the key findings from the value chain performance assessment, I can advise you in identification of key **improvement opportunities for your value** chain and back up the recommendations with a solid **business case** that quantifies the foreseeable benefits. I can then further help you to convert the identified improvement opportunities to initiatives on your value chain **development roadmap**.

Digitalization creates huge opportunities to improve your value chain on both physical and information management level. I provide you advisory on how to best build your **digital value chain** when it comes to planning or execution. No matter if your value chain development challenges or opportunities relate to Sales & Operations Planning, Master Scheduling, Production Planning, Inventory Management, Order Management or Logistics, I can help you in improving your value chain capabilities.

2. Lean Six Sigma Process Improvement

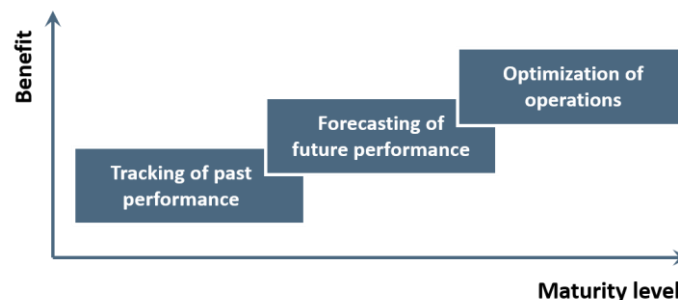
I provide consultancy services for continuous improvement of your business processes through application of Lean principles and Six Sigma process control methodologies. Where **Lean** aims to process efficiency improvement through reduction of various types of process waste, **Six Sigma** addresses process quality through reduction of process variability. Together, these two powerful process improvement methodologies yield both cost savings through reduction of process lead time as well as improved customer satisfaction through better process quality.



My Lean Six Sigma Process Improvement services range from facilitation of **Lean Six Sigma awareness building workshops** to identification and solution of process improvement opportunities using DMAIC methodology or attacking smaller, well scoped process improvement opportunities through **Kaizen events**. Although digitalization provides plenty of opportunities for process automation, bare streamlining of your current processes through reduction of process waste may yield significant efficiency improvements by relatively small investments.

3. Mathematical Modelling, Simulation and Optimization of Business Processes

I provide expert services for modelling and formulation of your business opportunities or challenges as **mathematical optimization problems** that address your business objectives and potential soft and hard constraints. In connection to this, I also provide expert services in mathematical programming of these optimization problems and advise you in finding the applicable numerical solution methods that give sufficiently accurate results in feasible computing time, whether it would be a mixed integer linear programming problem, unconstrained or constrained non-linear programming problem.



In addition to the mathematical optimization problems, I provide expert services in **statistical analysis of your data driven business problems**. These services range from parameter estimation problems to various types of process simulation services, extending to various types of machine learning related applications.

Resume – Janne Karelahti



Janne has worked as a program / project manager and senior advisor in numerous client projects in various industries, helping his clients to shape their supply chain strategies and develop their operating models and capabilities to improve business performance.

Janne's focus has been in Sales & Operations Planning including demand planning, supply planning, inventory management and logistics planning and execution, targeting to end-to-end thinking across the extended value chain. In many engagements, Janne has diagnosed clients' value chains using quantitative and qualitative analysis methods to form solid business cases. Because of this, Janne is highly comfortable working with various kinds of operational and financial business data in different industries and he has profound insight on the business data analytics in the field of supply chain.

Janne is also a Black Belt certified Lean Six Sigma practitioner with an extensive background on data-driven Lean Six Sigma project deliveries in production and service process environments. In his work, he has contributed in thought leadership, project sales and project deliveries in addition to various other responsibilities.

Before his career as a consultant, Janne worked as a postgraduate researcher in Helsinki University of Technology, Systems Analysis Laboratory. His doctoral dissertation considered modeling and on-line solution of air combat optimization problems and games. He has published in several scientific journals as well as in Accenture's global thought leadership.

Functional expertise

- Program and Project Management
- Business Transformations
- Supply Chain Management
- Lean Six Sigma
- Systems & Operations Research
- Mathematical Modeling & Programming
- Enterprise Architectures
- Business Process Models

Industrial expertise

- Payments
- Telecommunications
- Metals
- Chemicals
- Industrial Equipment
- Oil & Gas
- Consumer Goods
- Defense