Europe based case studies
#1 AUTOMOTIVE TIER 1 SUPPLIER – LEAN SIX SIGMA DEPLOYMENT

General Description – Global supplier that offer complete solutions regarding design, development and production of technically advanced plastic components for light vehicles, heavy vehicles, medical and industrial applications. The production is highly automated.

The Opportunity – Is a reputed company in its field. Has in recent years developed its technology and equipment in order to better meet customers' increasing demands.

Scope – InnovationTECH AB trained 6 BB and 30 GB over one year. Together with the student we did a number of Kaizen projects within the training period.

Successes – We were able to change the whole governance and behavior regarding LEAN/Six Sigma. His has resulted in many more improvements, and also an award from Volvo Cars as the Supplier of the Year

<table>
<thead>
<tr>
<th>Area</th>
<th>Start</th>
<th>After</th>
<th>Imp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scrap reduction</td>
<td>11%</td>
<td>1,59%</td>
<td>85,5%</td>
</tr>
<tr>
<td>Floor space reduction</td>
<td>460 m2</td>
<td>145 m2</td>
<td>68,5%</td>
</tr>
<tr>
<td>Preparation time reduction for orders</td>
<td>21 min</td>
<td>5 min</td>
<td>76,2%</td>
</tr>
<tr>
<td>Changeover reduction</td>
<td>150 min</td>
<td>55 min</td>
<td>63,3%</td>
</tr>
<tr>
<td>Changeover reduction</td>
<td>150 min</td>
<td>35 min</td>
<td>76,7%</td>
</tr>
</tbody>
</table>
The Opportunity – Based on increased demands and an old machine park. The delivery situation are bad due long setup time and this result in excessive stock and poor lead times.

Scope – InnovationTECH helped the customer to identify the bottleneck thru VSM that we physically did together with the team. This resulted in a project to reduce the setup times.

Successes – Over the project we helped the company to recover from approximately 65% delivery accuracy to 99% within a few months, just by fixing the bottlenecks in the production. A side effect to this project was that the stock value decreased with 35%.
The Opportunity – Huge problems to deliver on-time and increased no of quality issues.

Scope – InnovationTECH was the leading part in the transformation for improved Delivery Accuracy. We started on a level (1*) around 87% in average.

Successes – Over a six month period we increased the delivery accuracy to 99,7% and reduced the stock value with 30%. We also improved the productivity with 25%. Along the project we implemented a new Governance model and a planning governance to meet the customer demand.
PRODUCER OF PACKAGING MATERIAL – TRAINING DEPLOYMENT

General Description – World’s leading food processing and packaging solutions company. Working closely with our customers and suppliers, provide safe, innovative and environmentally secured products.

The Opportunity – Needed an external partner to develop, plan end execute a pilot for a global training initiative within LEAN/ Six Sigma. Are today successful within LEAN, but need to implement Six Sigma together with their existing system.

Scope – To develop the training material together with the customer, Be a part of the selection process for the Projects, Be a part of the LSS Council, Deliver the training, Coaching in the projects. In total 8 factories for the Pilot

Successes – Are ongoing just now. Will train 16 LSSBB over 2016

Certification Criteria's
- 90% Attendance in theoretical training
- 1 successful project per student
- Each Student shall train 5 GB’s

(25% of their working time are devoted to BB program)
US based case studies
MINING ORGANIZATION – LEAN SIX SIGMA DEPLOYMENT

General Description – An established global Mining organization is reinventing itself in the midst of the longest decline in Mining History by improving performance through Lean Six Sigma deployment.

The Opportunity – Having grown through acquisition, the organization wanted to develop a common lean way of working across the almost twenty production units globally. The organization had developed a standard methodology but needed support to deliver a series of Green belt projects.

Scope – InnovationTech were contracted to provide BB mentoring, training and support in implementation of 152 Green Belt projects to deliver results in rework, lead time and inventory reduction.

Successes – Key success factors were 100% improvement in lean audit scores in areas described over a year period. Training was provided in multiple languages and coaching and mentoring was provided both locally and remotely as required.
RAIL TRANSPORTATION – ON TIME DELIVERY

General Description – A Locomotive System provider was having difficulty maintaining production primarily caused by delays in Locomotive Underframe manufacturing.

The Opportunity – The Organization had developed a production system and trained management but this was not being executed correctly at the facility.

Scope – InnovationTech staff were contracted to solve the issue for a particular customer critical order of 19 units.

Successes – InnovationTech staff conducted a Rapid Improvement Workshop to identify actionable items and managed the program through a SCRUM process to ensure on time delivery; the first time in the organizations recent history. Actions included active support of visual management on the factory floor, line balancing, labor allocation, continuous improvement idea implementation and codification of the processes for sustainable future production.