



AGMPM – Quality & Lean Card Nr 3

What ? : Lean Model (Design)

Eco6s
 Statistical Analysis
 Environmental Analysis
 Technical Analysis

„ Use Metric and not Mystic“ Archimedes: Αρχιμήδης

<p>WHAT</p>	<p>The Lean Model is designed to analyze present Values and deduct future Values. A Model is a scientific functional Equation: $Y = f(X)$ where X are INPUTS (Costs) and Y are OUTPUTS (Quality required)</p>												
<p>WHY</p>	<p>Analyzing present Y-Values (Toxical Values & Sustainable Values), will identify X-Causes (Energy Costs, Materials Costs, Process Costs) causing Functions or Dysfunctions of the System and deduct the Lean 8 RE-Actions to reduce Costs to get Sustainable Values</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: red; color: white; padding: 5px; margin-right: 10px;"> Quality is devaluated when Cost is increasing </div> <div style="text-align: center;"> <p>Lean Model $Y = f(X)$</p> <table border="1"> <caption>Data for Lean Model Y=f(X)</caption> <thead> <tr> <th>X Material Costs</th> <th>Material Costs (Weight)</th> <th>Quality Value (Function)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>4.5</td> </tr> <tr> <td>2</td> <td>3</td> <td>4.0</td> </tr> <tr> <td>3</td> <td>4</td> <td>3.5</td> </tr> </tbody> </table> </div> <div style="background-color: blue; color: white; padding: 5px; margin-left: 10px;"> Too much Costs for a poor Quality </div> </div>	X Material Costs	Material Costs (Weight)	Quality Value (Function)	1	2	4.5	2	3	4.0	3	4	3.5
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<p>HOW</p>	<p>The T.E.M.P.S. Method is used to find the Equation of the System and detect the 8 Lean Reactions to Reduce X-Costs of Energy, Material & Process to create Y-Sustainable Values and Y-non Toxic Values.</p> <p style="text-align: center;">The Eco6s TEMPS Equation to reduce Costs and create Values</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: red; color: white; padding: 5px; margin-right: 10px;"> Get the Best Y in reducing X Costs </div> <div style="text-align: center;"> <p>Predictive Equation $Y = 5.5 - 0.5 \times (X)$</p> <table border="1"> <caption>Data for Predictive Equation Y= 5.5 - 0.5 x (X)</caption> <thead> <tr> <th>X-Material Weight</th> <th>Y Quality Value</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>4.5</td> </tr> <tr> <td>3</td> <td>4.0</td> </tr> <tr> <td>4</td> <td>3.5</td> </tr> </tbody> </table> </div> <div style="background-color: blue; color: white; padding: 5px; margin-left: 10px;"> REDUCE Weight To create Value </div> </div>	X-Material Weight	Y Quality Value	2	4.5	3	4.0	4	3.5				
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<p>WHO</p>	<p>Quality & Industrial Teams to analyze Y-OUPUTS (Sustainable Values) R&D Teams to innovate with the 8 Sustainable RE Actions of X-INPUTS. Management Teams to define Y-Sustainable and non Toxic Values.</p>												
<p>WHEN</p>	<p>Lean Model & Design to be planned with Specifications Proceedings.</p>												