



# AGMPM – Quality & Lean Card Nr 2

## What ? : Lean 8 RE Actions

**Eco6s**  
 Statistical Analysis  
 Environmental Analysis  
 Technical Analysis

„ Use Logos and not Chaos“ Socrates: Σωκράτης																				
WHAT	Lean 8 RE Actions create Values, in reducing Costs & assuring Quality . RE Actions are taken to reduce Costs of Inputs, Processes and Outputs. RE Actions on Indicators (OUTPUT/INPUT) pilot the 3Q-Performances.																			
WHY	<p>To create Values without spending or losing too much.  <b>VALUE is a Ratio between QUALITY and COSTS ( V= Q/C)</b></p> <div style="text-align: center;"> <table border="1" style="margin: 10px auto;"> <caption>TEMPS Costs of the System</caption> <thead> <tr> <th>Category</th> <th>Before RE Actions</th> <th>After RE Actions</th> </tr> </thead> <tbody> <tr> <td>Time Costs</td> <td>5</td> <td>3</td> </tr> <tr> <td>Energy Costs</td> <td>4</td> <td>2</td> </tr> <tr> <td>Material Costs</td> <td>4</td> <td>2</td> </tr> <tr> <td>Process Costs</td> <td>3</td> <td>3</td> </tr> <tr> <td>Sociology Charges</td> <td>5</td> <td>2.5</td> </tr> </tbody> </table> </div>		Category	Before RE Actions	After RE Actions	Time Costs	5	3	Energy Costs	4	2	Material Costs	4	2	Process Costs	3	3	Sociology Charges	5	2.5
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HOW	<p>The T.E.M.P.S. Method is used to modelize the System, to pilot and control the Reactions Effects to reach the specified Performances.</p> <p style="text-align: center;">The Eco6s TEMPS Model to pilot the Lean 8 RE Actions</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">REDUCE TIME</td> <td style="width: 30%;">Time to prepare Inputs , produce and control Output</td> <td style="width: 40%; text-align: center;"><b>S.M.E.D.</b> Single Minute Exchange of Die.</td> </tr> <tr> <td>REDUCE ENERGY P REDUCE ENERGY F</td> <td>Energy used for Processes Energy used for Factories</td> <td style="text-align: center;"><b>Energy Efficiency</b> and CO2 Eq. Calculators</td> </tr> <tr> <td>REDUCE MATERIAL REMOVE MATERIAL</td> <td>Material Mass &amp; Costs Material Improvement</td> <td style="text-align: center;"><b>D.O.E.</b> Model &amp; Design of Experiments</td> </tr> <tr> <td>REDUCE PROCESS REDUCE FAILURES</td> <td>Optimize Process Steps Optimize Process Failures</td> <td style="text-align: center;"><b>O.E.E.</b> Overall Equipment Efficiency / Effectiveness <b>F.M.E.A.</b> Failure Mode and Effects Analysis</td> </tr> <tr> <td>REDUCE SOCIOLOGY CHARGES</td> <td>Charges and Taxes paid by the Sociology to proceed.</td> <td style="text-align: center;">RoQ &amp; RoI: Return on Investment Return on Qualities : €, ECO, Socio</td> </tr> </table>		REDUCE TIME	Time to prepare Inputs , produce and control Output	<b>S.M.E.D.</b> Single Minute Exchange of Die.	REDUCE ENERGY P REDUCE ENERGY F	Energy used for Processes Energy used for Factories	<b>Energy Efficiency</b> and CO2 Eq. Calculators	REDUCE MATERIAL REMOVE MATERIAL	Material Mass & Costs Material Improvement	<b>D.O.E.</b> Model & Design of Experiments	REDUCE PROCESS REDUCE FAILURES	Optimize Process Steps Optimize Process Failures	<b>O.E.E.</b> Overall Equipment Efficiency / Effectiveness <b>F.M.E.A.</b> Failure Mode and Effects Analysis	REDUCE SOCIOLOGY CHARGES	Charges and Taxes paid by the Sociology to proceed.	RoQ & RoI: Return on Investment Return on Qualities : €, ECO, Socio			
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WHO	Quality & Industrial Teams to measure & control Performances & Costs R&D Teams to analyze, improve and innovate for specified Qualities. Management Teams to define Targets & the 8 RE Actions Lean Strategy.																			
WHEN	Lean Strategy for 8 RE-Actions to be planned with Targets Proceedings.																			