

# AGMPM - Eco Card Nr 9

## What ? : Life & Costs Cycle Analysis

<b>Epicurus</b> Ἐπίκουρος, ataraxia & aponia (341–270 BC) « Enjoy Life, do not destroy it ».																			
<b>WHAT</b>	A Life & Costs Cycle Analysis (ISO14040 & Co) is conducted to measure ecological, economical & societal Performances of the System to analyze areas of Improvements or needed Innovations to evolute & sustain.																		
<b>WHY</b>	To reduce Costs for the Society and the Environment (Damages to repair). To create Values for Shareholders and the Values Chain (Win win Strategy).																		
<b>HOW</b>	<p>System Analysis requieres the scientific Method DMAICC for trusted Values.</p> <ul style="list-style-type: none"> <li>○ Define System, Boundaries and Data to be collected (Techn. Data Sheets).</li> <li>○ Measure economical, ecological &amp; societal Performances (Laws &amp; Norms).</li> <li>○ Analyze Results &amp; Impacts of Toxic Energy Material Process (T.E.M.P.S.).</li> <li>○ Improve &amp; Innovate: Create Values for System Scorecard (TEMPS@ECO6S).</li> <li>○ Control negative Impacts Transfert and positive trusted Values (Statistics).</li> <li>○ Communicate ecological &amp; environmental Performances (Ecoprofiles ...)</li> </ul> <div style="text-align: center;"> <table border="1"> <caption>Performance Metrics Comparison</caption> <thead> <tr> <th>Metric</th> <th>BEFORE LCCA</th> <th>AFTER LCCA</th> </tr> </thead> <tbody> <tr> <td>TOXIC Charges</td> <td>1.5</td> <td>5.0</td> </tr> <tr> <td>ENERGY Saving</td> <td>3.0</td> <td>4.0</td> </tr> <tr> <td>MATERIAL Saving</td> <td>3.0</td> <td>4.0</td> </tr> <tr> <td>PROCESS Saving</td> <td>3.0</td> <td>4.5</td> </tr> <tr> <td>SOCIETAL Impacts</td> <td>3.0</td> <td>5.0</td> </tr> </tbody> </table> </div>	Metric	BEFORE LCCA	AFTER LCCA	TOXIC Charges	1.5	5.0	ENERGY Saving	3.0	4.0	MATERIAL Saving	3.0	4.0	PROCESS Saving	3.0	4.5	SOCIETAL Impacts	3.0	5.0
Metric	BEFORE LCCA	AFTER LCCA																	
TOXIC Charges	1.5	5.0																	
ENERGY Saving	3.0	4.0																	
MATERIAL Saving	3.0	4.0																	
PROCESS Saving	3.0	4.5																	
SOCIETAL Impacts	3.0	5.0																	
<b>WHO</b>	<p><b>Quality, R&amp;D &amp; Industrial Teams to improve and innovate on Performances.</b></p> <p><b>Marketing and Management Teams to select LCCA Targets and Strategy.</b></p>																		
<b>WHEN</b>	<p>Actions and 8 RE-Actions to be planned with Targets Proceedings</p> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around;"> <span>REDUCE (T)</span> <span>REDUCE (E)</span> <span>REDUCE (M)</span> <span>REDUCE (P)</span> <span>REUSE (S)</span> <span>REPAIR (S)</span> <span>RECYCLE (S)</span> <span>RENEW (S)</span> </div>																		