



AGMPM - Eco Card Nr 13

What ? : Energy Efficiency

Eco6s
 Statistical Analysis
 Environmental Analysis
 Technical Analysis

Socrates (Σωκράτης): „ Use Logos and not Chaos“																									
WHAT	To sustain & develop, Life adopts efficient Processes to release Energy. Its controlled Use of Sun, Wind, Earth Heat, Water and Hydrogen is much more efficient than the chaotic Burning of Fossiles (Coal, Gasoil, Uranium...). Worldwide (ISO50001) and in EU (Directive 2012/27/EU), the 8 RE Strategy is selected to improve the Efficiency Ratio: Output(s) produced/Input(s) used																								
WHY	Increased Efficiency in the Use of Energy is the most ecological, economical and sociological Way to avoid negative Impacts destroying our Ecosystems (Ocean Acidity, GHG: Green House Gas, Resources Depletion ...) Reducing Use of Fossiles in using local & renewable Sources (Sun, Wind, Water, Salts, Hydrogen, ...) to release Energy is the most costs efficient way to avoid Losses, Wastes, Emissions & to reduce Dependency on Resources																								
HOW	<p>The TEMPS Method of ECO6S is used to model and pilot the Flows of Toxic charges, Energies, Materials (INPUTS) as well as the quality of Processes (OUTPUTS) for the Sociology (Value Chain) of the System. Efficiencies Ratio(s) OUPUTS/ INPUTS are optimized by the 8 RE-Actions.</p> <table border="1"> <caption>Bar Chart Data: 8 REACTIONS vs NO REACTION</caption> <thead> <tr> <th>Metric</th> <th>8 REACTIONS (Green)</th> <th>NO REACTION (Red)</th> </tr> </thead> <tbody> <tr> <td>CHG Footprint</td> <td>~3.5</td> <td>~1.0</td> </tr> <tr> <td>Wastes Reduced</td> <td>~4.0</td> <td>~2.0</td> </tr> <tr> <td>Losses Reduced</td> <td>~4.0</td> <td>~2.0</td> </tr> <tr> <td>Fossiles Used</td> <td>~4.5</td> <td>~3.0</td> </tr> <tr> <td>Electricity Used</td> <td>~4.0</td> <td>~3.0</td> </tr> <tr> <td>Energy Efficiency</td> <td>~5.0</td> <td>~3.0</td> </tr> <tr> <td>Costs Efficiency</td> <td>~4.0</td> <td>~3.0</td> </tr> </tbody> </table> <p>Toxic Impacts on Ecosystems: Reduce GHG Footprint, Resources Depletion... Energy: Rethink to use the Best Available Technics, local and renewable Sources. Material: Reduce Energy necessary to produce it (Indicator Energy Contain) Process: Reduce Electricity used, Reuse Heat produced, Reduce Losses and Wastes... Sociology: Renew Resources, local and Renewables around the Factory ...</p>	Metric	8 REACTIONS (Green)	NO REACTION (Red)	CHG Footprint	~3.5	~1.0	Wastes Reduced	~4.0	~2.0	Losses Reduced	~4.0	~2.0	Fossiles Used	~4.5	~3.0	Electricity Used	~4.0	~3.0	Energy Efficiency	~5.0	~3.0	Costs Efficiency	~4.0	~3.0
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WHO	Quality, R&D & Industrial Teams to Statistically Control Performances on 3Q. Marketing and Management Teams to pilot RoQ & RoI of the 8 RE Actions.																								
WHEN	<p>Actions and 8 RE-Actions to be planned with Targets Proceedings</p> <table border="1"> <tr> <td>REDUCE (T)</td> <td>REDUCE (E)</td> <td>REDUCE (M)</td> <td>REDUCE (P)</td> <td>REUSE (S)</td> <td>REPAIR (S)</td> <td>RECYCLE (S)</td> <td>RENEW (S)</td> </tr> </table>	REDUCE (T)	REDUCE (E)	REDUCE (M)	REDUCE (P)	REUSE (S)	REPAIR (S)	RECYCLE (S)	RENEW (S)																
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