



AGMPM – Quality & Lean Card Nr 5

What ? : Lean Analysis

Eco6s
 Statistical Analysis
 Environmental Analysis
 Technical Analysis

Thales (590 BC): Measure Time (TEMPS) to analyze the Trend (Gnomon & Triangle)

WHAT

The Lean Analysis is based on Measure of true Values on 3Q Efficiency Indicators (**€**conomical Quality: Customer Satisfaction, **ε**cological Q: Green house Gaz Reduction (CO2Eq); **S**ociological : Fair Price/ Fair Cost)

Example of Measure for a easy open Packaging System

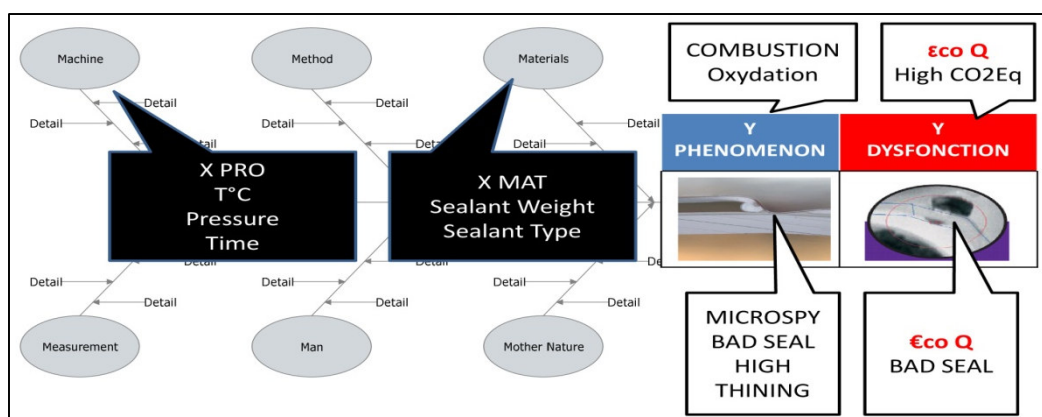
SEALANT (gsm) X-MATERIAL	SEAL TEMP. (°C) X-ENERGY	XX INTERACTIONS Phenomenons	EASY OPENIONG Y-QUALITY
2 Level mini: -1	140 Level mini: -1	+1	SATISFACTION LEVEL 4 Easy OK 😊
4 Level MAXI: +1	140 Level mini: -1	-1	SATISFACTION LEVEL 2 Too Easy 😞
2 Level mini: -1	180 Level MAXI: +1	-1	SATISFACTION LEVEL 1 Too easy 😞
4 Level MAXI: +1	180 Level MAXI: +1	+1	SATISFACTION LEVEL 3 Too strong 😞

WHY

The Customer is not satisfied: you have to analyze why to be lean.
 Too much Sealant cost Money (**€ Q**) & CO2Eq (**ε Q**)
 Too much Seal Temperature cost Money (**€ Q**) & No Satisfaction (**S Q**)
 Interaction of Energy (T°C) & Material (Sealant) must be controled (XX)

HOW

The TEMPS® ECO6S Tool Box extends Failure Mode & Effects Analysis in analyzing Phenomenons and Impacts on 1, 2 or 3Q simultaneously.



WHO

Quality, R&D & Industrial Team to Analyze Phenomenon & Dysfunction

WHEN

Lean Analysis by the Team to be done after 3Q Efficiency Measure.