

AGENDA TRIZ Basic

Introduction to TRIZ

- How it all started?
- What stops our ideas?
- Sources of inertia in thinking.
- Five levels of innovation.
- What TRIZ is most suitable for?
- TRIZ - providing more - for less.
- Humor, teamwork and friendly language.

40 creative principles

- Prism of TRIZ - save inventing the wheel again.
- A short presentation of 40 principles, how to use them in practice?
- What are contradictions, how to find them in practice?
- The matrix of 39 parameters for technical contradictions

Root Conflict Analysis (RCA+)

- From Root Cause to Root Conflict Analysis
- Modelling of RCA+ in practice
- How contradictions are the foundations of problems
- Choosing the most promising contradictions to be solved

Ideal Solution

- As Da Vinci said "before you start, think about the ending"
- Equation of the ideal system (benefits, costs, and harms)
- „The system does not exist, but its function is fulfilled”

Thinking in time and scale

- Application of "9 boxes" in the practice of TRIZ
- Analysis of the situation in scale and in time
- The use of "9 boxes" for risks, resources and constraints

Clever use of resources

- Not only material resources - the use of fields
- Can harmful resources be converted into beneficial?
- Free resources - the best of TRIZ

How to define a problem

- What with an ill defined problem?
- Questionnaire of an Innovative Situation (QIS)
- Can classics help? 5W+2H

Problem Solving Algorithm

- Rehearsal in simple problem-solving algorithm.
- Exercising tools in sequence
- Tips in searching inspiration in internet
- Using database with scientific effects
- Mapping of final ideas (idea landscaping)

Q/A