A lot of IT projects nowadays experiment delivery delays and overrun costs because the requirements elicitation phase fails to capture the requirements completely and unambiguously.

Software engineering tools currently available on the market are focused on solution design rather than on problem description. So-called requirement engineering (RE) tools enable companies to manage their requirements only once they got them out. But poor requirements, even well-managed, will cause projects to fail.

The presentation shows how CEDITI engineers proceed to produce requirements documents with GRAIL, a tool designed by RE practitioners for RE practitioners to enable them to do real requirements engineering. The tool relies on KAOS, the goal-driven requirements methodology. KAOS [1,2] advocates for modelling problems in the same flavor as engineers build models to describe solutions but with an appropriate ontology and notation.

The presentation

• outlines the process typically followed to build a requirements document with KAOS
• describes in details how CEDITI engineers proceed to build KAOS models for industrial customers
• briefly describes several industrial projects on which the approach has been successfully applied.
• describes how GRAIL (the tool that supports the KAOS methodology) helps analysts engineer their requirements and write their requirements documents
• summarizes the benefits of the approach and explains the reasons why CEDITI is now releasing GRAIL for broad distribution.

References