

# MODEL FOR THE IMPLEMENTATION OF A PROJECT RISK ANALYSIS METHOD IN COMPANIES

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**Abstract:** *Companies that choose innovation as a development strategy have to deal with management of the risks inherent in their projects. Risk analysis, which was long confined to the control of product and process risks, is progressively gaining ground in project management. In this context, we elaborated an original method called PIFA (Project Information Failure Analysis), which has undergone several research trials. During our experimentation on industrial projects, we identified two parameters that contribute to its success: the validity of the method and the efficiency of the means of its implementation. In this paper, we examine this second parameter, based on the elaboration of a model for the implementation of this method. This model comprises the methodology for the definition of a PIFA Manager, support tools and guidelines for the integration of product and process risk analyses into project risk analysis. In this publication, we present this model, the experimentation conducted in the context of risk analyses in new product Design, and process design projects in the research and development centre of a major industrial group.*

**Keywords:** *Project risks, innovation, design, new method, tools, risk managers, software, product/process reliability.*