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Innovation Studio

Design and Development towards Product Service Engineering
and Problem Solving

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Zusammenfassung zur Veröffentlichung “Innovation Studio – Design and Development towards Product Service Engineering and Problem Solving” ISBN 3-8322-3614-7

This book focuses on the five interdependent parts of a holistic innovation process. At first, the stages of idea generation, their feasibility and potential impact on how to meet the needs and overcome the obstacles that hinder innovation in the community of SMEs are investigated. The key issues addressed are to establish networks in terms of establishing an INNOVATION studio. The realization of the innovation studio and its implementation with development of small examples for the operation and for the best practice report is described properly.

Beside chapter one where the introduction is placed, the book at hand comprises five other chapters. Chapter 2-6 build the main part of the book and it has been followed by conclusion of the work.

Chapter One describes the major objective of this work.

Chapter Two presents a short summary of the needs of SMEs from the literature review and the survey conducted in the INNOPSE (innovation studio and exemplary developments of product service engineering, A European Union funded project under the growth program of the 5th frame work) project. These needs and limitations have been addressed separately in this chapter through its section where each need is discussed and its recommended solution is presented.

Chapter Three presents an overview on the background of innovation collected from literature and previous studies. The purpose of this chapter is to have an insight about the general difficulties of innovation and to help pinpoint the remedies for these difficulties and provide a platform for answering the difficulties of the SMEs pursuing innovation. This chapter puts forward the different effectors of innovation.

Chapter Four puts forward the different issues concerning the criteria and decision for the studio equipment. The core of this chapter is to consider the issues to implement video conferencing systems like operability, functionality, and characteristics. These issues have been determined based on the needs of the innovation studio that is targeted to be as a means for information assimilation, dissemination and knowledge spreading. Addition to this, a technological base through which the technology of videoconferencing is described for implementation and operation.

Chapter Five discusses the different issues concerning the realisation of the Innovation studio. Different issues like design, functionality, features have been determined based on the previous chapter. IT also presents an overview regarding the virtual studio lay out, décor and design. It goes in details describing the contents and design for the three different parts of the innovation studio. It describes briefly in the implementation and possible use for the installed studios.

Chapter Six discusses the different issues concerning the operation, use and best practice for the innovation studio. Different issues like design, functionality and features has been determined. It presents an overview regarding the different modes of set-up the system can have. It also presents the required criteria for the best audio, video and presentations qualities. At last it describes the best practice report and the recommendations regarding what to do and what not to do depending on the needs of the user and the capabilities of the system.