

The Influence of Human Motivation Factors on the Successful Implementation of Product Life Cycle Management Tools: Explorative Findings and Managerial Implications

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For technology firms it is crucial to integrate progressive product design methods such as Product Lifecycle Management (PLM) tools in their daily routines to improve the quality of the product development process. However, in practice one problem arises: research and development (R&D) employees show little motivation to implement these tools in their work. This paper aims at determining human factors for successful implementation of PLM by studying the motivation of R&D employees. Based on a literature study, face-to-face interviews with 16 R&D experts were performed. Furthermore, a survey study with 22 participants using online questionnaires was conducted. Based on the results of the data analysis, a list of critical human success factors which help managers to implement PLM tools in R&D departments of technology firms successfully is presented.

Keywords: product lifecycle management tools, human factors, motivation, research and development

Acknowledgements

The authors wish to acknowledge the support of the cooperation partner Virtual Vehicle Research Center (VIF), especially Mr. Alexander Mastnak for helping us during the data collection phase of this research project. Furthermore, the authors would like to acknowledge the helpful comments of the reviewers on an earlier version of this paper, originally presented at the 5th International MOTSP Conference in Novi Vinodolski, Croatia, from 29 to 31 May 2013.

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Bernd Markus Zunk, Julia Soos, Iris Uitz, Andrea Denger and Michael Bader The influence of human motivation factors on the successful implementation of product life cycle management tools: explorative findings and managerial implications. To top. Conference/Workshop Article. D. Sticker, M. Rothbauer, J. Ehgartner, C. Steininger, W. Neuhaus, T. Mayr, T. Haraldsson, J.P. Kutter and P. Ertl Using oxygen-consuming thermoset plastics to generate hypoxic conditions in microfluidic devices for potential cell culture applications 21st International Conference on Miniaturized Systems for Chemistry and Life Sciences, MicroTAS 2017 812-813. Factors to Encourage Motivation. i. Management and leadership actions that allow employees, i. Believe about your employees strengths! i. Inquire employees what they want i. Teach employees to measure their own success. i. crystal clear @ular communication about factors important to employees, e. Working Environment: Stresses, influences, and i. Treating employees with respect, competitive, situation, civilizing, demographic, i. Providing regular employee respect, profitable, usual, political, regulatory, and i. Feedback and training. Every superior in the organization must motivate its subordinates for the right types of behavior. The presentation of human beings in ISSN... The influence of human motivation factors on the successful implementation of product life cycle management tools: explorative findings and managerial implications. Bernd Markus Zunk, Julia Soos, Iris Uitz, Andrea Denger, Michael Bader. Zunk BM, Soos J, Uitz I, Denger A, Bader M. The influence of human motivation factors on the successful implementation of product life cycle management tools: explorative findings and managerial implications. Manufacturing technology. 2013;13(4):580-586. The influence of human motivation factors on the successful implementation of product life cycle management tools: explorative findings and managerial implications. In: Manufacturing technology. 2013 ; Vol. 13, No. 4. pp. 580-586.