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The Process and Organization of Complex Building Projects

Theses of the dissertation

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H1. The characteristics of the production of the building industry have strong impact on the planning of time and resource demands and the organization of construction processes over and above the development status of the technical basis of the realization of building projects and of the technological and structural specialization of building enterprises.

H2. The success of the building projects is significantly influenced by correct judgement regarding the role of the Mandator organizations in the project process further by the rate of their professional preparedness in project guidance.

H3. The performance of building project management can be systematized in a hierarchical structure, the so-called performance structure. Each level of the hierarchy is formed by the main management performances (functions) like project planning, project guidance and project controlling connected to each other in a specific way. The overall and clear specification of the performance harmonizing with them helps more effective project work.

H4. Complex building project processes can be influenced effectively by the application of cybernetic automatic control circuits. Such control circuit can be worked out and applied which makes possible the guidance of the factors needed for the success of the project.

H5. The function structure that is planned during the development of building projects and the function analysis applied in the process of value analysis are similar to each other. The efficiency of projects can be increased by incorporating and applying further steps, methods of the process of value analysis in the preliminary planning process of projects.

H6. Over and above the recognition of the disorders of the realisation processes, the cause and the consequence of their occurrence can be examined and extra costs originating from the disorders can be calculated. The results of the examination can be applied effectively within the frame of project control respectively in the regulation with cybernetic approach.

H7. The importance of building project management can be evaluated with the advantage that can result in the realisation of the given goals of the project, the decrease of the risks and costs of the project by systematic planning, co-ordination, continuous follow-up and with the organized management of the project process.

H8. It is practical to put forward conflict management, risk management, to apply more effective solutions for communication and co-ordination for the sake of the successful realization of building projects and to enhance the knowledge concerning project management on the above-mentioned fields and in other areas as well. To achieve all this attitudes need to be renewed.