Knowledge base project for rocket-and-space technology developers

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The problem of preserving and developing knowledge by an organization-developer of rocket and space technology (RST) requires creation of an up-to-date knowledge base (KB). For several reasons, there was a significant gap between the advanced experience in development and use of the knowledge base and the existing level of information support of knowledge in the RST development. An objective obstacle to overcoming this gap is a higher level of KB complexity compared with other IT solutions. The purpose of the article is to show that the knowledge base for RST developers is not just another IT solution but a new style of work, which generates and satisfies the demand for creating and using new knowledge for the benefit of RST developers. We consider a KB project for RST developers in the scientific and technical and organizational views. We list the factors which are necessary for successful implementation of the knowledge base in the knowledge management system (KMS) of an organization and major mistakes that lead to failure.

Keywords: *knowledge base, knowledge management system, rocket and space technology, rocket and space company, knowledge base, Fluor, CALS-technology, KB, KMS, RST, RSC, CMDB, non-formalized knowledge, ontology, semantic search.*

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