

The method of implementing pro-ergonomic projects in manufacturing companies in the context of safety culture

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The subject of the doctoral dissertation is the issue of implementing pro-ergonomic projects in production companies. The main purpose of the dissertation is to develop a method of implementing pro-ergonomic projects in manufacturing companies, taking into account the possible impact of these implementations on the level of safety culture in the organization. Specifying objectives (defining the principles of the functioning of ergonomic committees and indicating the relationship between taking ergonomic actions and the level of occupational health and safety management in the enterprise) and utilitarian objectives (e.g. developing practical guidelines for managing pro-ergonomic projects in manufacturing companies) were also adopted.

In order to achieve the objectives assumed in the dissertation, the following steps were carried out:

- literature review on project management, ergonomics in project management and safety culture as a factor in shaping employee awareness,
- interviews with 3 participants of ergonomic committees in large manufacturing companies,
- expert opinion surveys involving 11 experts carried out in two rounds,
- surveys among employees of OHS departments in manufacturing companies.

The data obtained as a result of the implementation of individual studies was analyzed using basic statistics and correlation coefficients, as well as the coefficient of compliance.

The result of the dissertation is the development of the method for implementing pro-ergonomic projects in manufacturing companies in the context of safety culture on the basis of identified, significant factors influencing the successful implementation of such projects. The method is a sequence of activities performed in the field of planning, organizing, monitoring and implementing the results of proergonomic projects. The use of the method in production companies may favor the effective and efficient implementation of pro-ergonomic projects undertaken in such organizations.