

# Evaluation of effectiveness of information systems implementation in organization (by example of ERP-systems)

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## Abstract

© Published under licence by IOP Publishing Ltd. ERP in a modern enterprise information system allowed optimizing internal business processes, reducing production costs and increasing the attractiveness of enterprises for investors. It is an important component of success in the competition and an important condition for attracting investments in the key sector of the state. A vivid example of these systems are enterprise information systems using the methodology of ERP (Enterprise Resource Planning - enterprise resource planning). ERP is an integrated set of methods, processes, technologies and tools. It is based on: supply chain management; advanced planning and scheduling; sales automation; tool responsible for configuring; final resource planning; intelligence business; OLAP technology; block e- Commerce; management of product data. The main purpose of ERP systems is the automation of interrelated processes of planning, accounting and management in key areas of the company. ERP systems are automated systems that effectively address complex problems, including optimal allocation of business resources, ensuring quick and efficient delivery of goods and services to the consumer. Knowledge embedded in ERP systems provided enterprise-wide automation to introduce the activities of all functional departments of the company as a single complex system. At the level of quality estimates, most managers understand that the implementations of ERP systems is a necessary and useful procedure. Assessment of the effectiveness of the information systems implementation is relevant.

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