Evolutionary Approaches to the Quality Management System

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Abstract: The article considers evolutionary approaches to the quality management system (QMS) taking into account modern trends in digitalization and the development of artificial intelligence systems. The development of industrial production currently does not exclude traditional evolutionary approaches to the QMS, but imposes new requirements on the organization's management systems. The lag of quality management system technologies from production technologies leads to the lack of a synergistic approach in the QMS and management problems. A new stage of evolutionary development of the QMS is proposed, taking into account the requirements set out in Industry 4.0.